

The University of Alberta Alumni Association Magazine

NEW TRAIL

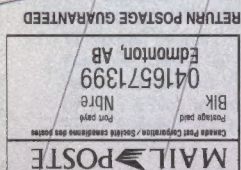
SPRING 1995

**The New
Timms Centre
for the Arts**

**Alberta Bound:
Roderick Fraser's
Installation Address**

**Areas of Excellence
at the U of A**

**1995 Alumni
Wall of Recognition
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NEW TRAIL

When Roderick Fraser was installed as president on 20 January 1995, he spoke about the future of the University of Alberta.

In his address, which we feature in this issue, President Fraser predicted that there will be a major sorting out of universities as we move into the 21st century. Only a handful, he believes, will emerge from the turbulence of the times as strong, full-service, research-intensive universities. "It is my vision that the University of Alberta will be one of these," he told the 1,000-or-more people who attended the installation ceremony at the Jubilee Auditorium.

How will we accomplish that? "First and foremost," he says, "we must have a relentless focus on quality — creating a stimulating, productive and supportive environment for all of our teaching, learning and research initiatives."

That focus on quality has already begun. The 1993 *Degrees of Freedom* report recommended that the University identify those research areas for which it is known nationally and internationally and the University's vice-president (research), Martha Piper, didn't wait long to accept the challenge. Working with the University Research Policy Committee she instituted a rigorous process to identify areas

of research where the University is widely considered to be a leader. Excellence was the only thing that mattered. No effort was made to ensure that all or most sectors of the campus were represented — although that turned out to be the case.

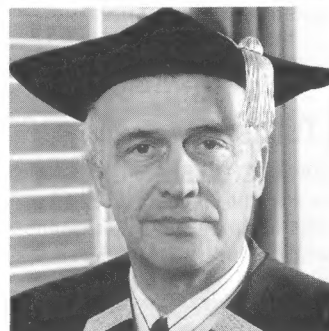
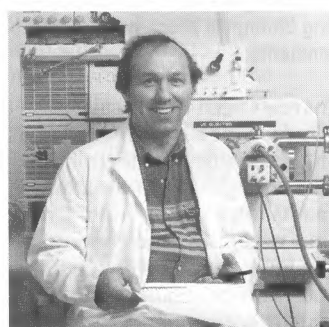
In all, 15 areas of established research excellence were identified, as well as seven areas of emerging excellence. You will find brief descriptions of all of these on pages 12 to 14.

Many of the names you will see are of people or research groups we have featured in *New Trail*, and we report on another of the areas of excellence in this issue: an account of the leading role that U of A researchers are playing in Canada's protein engineering network.

We also have a feature story on the new Timms Centre for the Arts: at long last the University's distinguished Department of Drama has a performance and production facility in keeping with its stature as one of the University's areas of excellence — a designation it shares with the fine arts areas of printmaking and piano.

I've had an opportunity to tour the impressive new Timms Centre, and I'm looking forward to seeing my first Studio Theatre production in its new home.

Rick Pilger
Editor



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The new Timms Centre for the Arts shines as a professional performance and teaching venue for the Department of Drama.

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The leading role being played by U of A scientists in Canada's protein engineering network supports the designation of protein engineering as one of the University's 15 areas of established research excellence.

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In his installation address, President Roderick Fraser expresses his pleasure at returning to Alberta and presents his vision for his alma mater.

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A glass curtain encloses the dramatic foyer of the Timms Centre for the Arts. The Centre provides a strong architectural presence on the southeast corner of campus.

Photo by Lotus Studio



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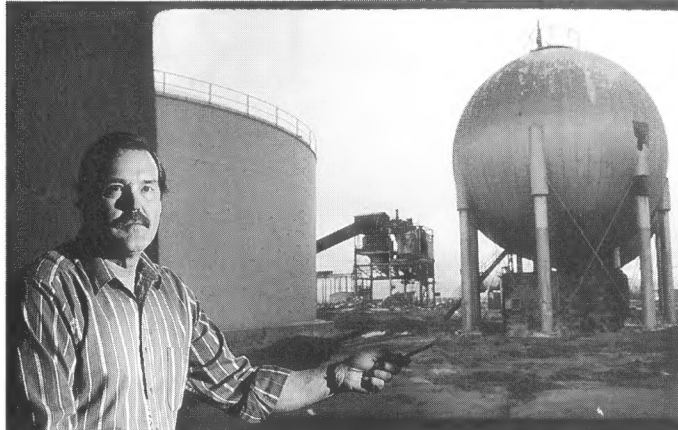
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U of A Photo Services



Soil scientist Marvin Dudas, along with colleagues from microbiology and chemical engineering, is developing biological processes for treating soil exposed to organic contaminants.

U of A Team Cleans Up in Environmental Alliance Funding

U of A researchers are cleaning up to the tune of three-quarters of a million dollars.

That's how much a U of A team will receive over the next three years to develop soil remediation techniques to extract organic contaminants (such as oil) from soil and return it to a useable state.

Their recent grant from the Environmental Science and Technology Alliance Canada (formerly the Institute for Chemical Science and Technology) totals \$148,000 a year for three years and is the largest single grant ever awarded by that body. In addition, the Natural Sciences and Engineering Research Council will contribute a further \$100,000 a year for three years.

The principal researchers are University of Alberta soil science professors **Marvin Dudas**, '66 BSc(Ag), '68 MSc, William McGill and Yongsheng Feng; microbiology professors **Phillip Fedorak**, '72 BSc, '75 MSc, '84 PhD, and Michael Pickards; and chemical engineering professors Murray Gray and Jacob Masliyah.

The findings of the study will have industrial applications, particularly in Western Canada, where soil contamination from the petroleum industry is common. "Bioremediation has been around for a long time, but its success rates

haven't been high," says Dudas. The research team will first examine how to unlock the bonds that join contaminants to soil, then find microbial organisms and conditions that will promote biodegradation of the contaminants, and finally scale the processes for massive industrial use.

Child Study Centre Turns 25

As the Child Study Centre celebrates 25 years on campus this summer, the Department of Elementary Education is welcoming back all of the families that have participated in its early childhood education programs. "By now, that would include children, parents, grandparents and grandchildren," says the Centre's director, **Lorene Everett-Turner**, '67 BEd, '68 MEd, '84 PhD, alluding to the fact that children who began attending in 1969 may well have become parents themselves by now.

In its original location in homey Ring House Number Three, near the Faculty Club just off Saskatchewan Drive, the Centre has housed more than 1,000 children over the past quarter century. In the fall of 1994 the Centre opened a second facility, in the basement of Education South. In these two locations, education students have the opportunity to study and work with young children in a stimulating and challenging environment. The

Centre provides an opportunity for education faculty members and graduate students to work with young children in specialized study or research areas.

The Centre now runs year-round: a winter program, which runs from September until June, accepts preschool children ages three-and-a-half to six; the six-week summer program accepts children of up to eight years of age. Each class of approximately 20 students is staffed by an early childhood teacher, a teaching assistant and, where appropriate, a special needs assistant. Everett-Turner says that a regular Grade 1 program is under consideration as one of the Centre's future offerings.

The 25th anniversary festivities at Ring House Number Three will run from noon until 5 pm on Saturday 10 June. There will be slides, scrapbooks and reunions of both staff and participants to commemorate each year of the Centre's operation, and the Child Centre will be open to visitors.

Everett-Turner welcomes submissions for a "memory book" which she hopes will be printed in time for distribution at the June gala.

Graduates or families with photographs or reminiscences of the Centre can contact Antonella DeWitt at 492-4273, or submit them to the Department of Elementary Education, located at 551 Education South, before 30 April.

CaPS to Conduct Grad Employment Survey

The University's Career and Placement Services office is planning the first-ever graduate employment survey that will encompass the entire University of Alberta.

"Quite often we're telling students that we believe that people with certain academic combinations will find work in this or that sector," says CaPS director Wendy Coffin. "What we want is the facts for the U of A to back it up."

Aside from a pilot project that CaPS completed a number of years ago in the Faculty of Science, only two faculties and four departments on campus have ever collected graduate employment statistics.

Information about which companies hire U of A graduates in certain disciplines is valuable for current university students searching for jobs. High school guidance counselors are also eager for results of the survey to help advise potential university students on career planning.

The survey, which is being planned for the spring of '95, will likely question alumni about their employment three to five years after graduation. The findings about a graduate's employment are taken at this stage of their careers because after a few years university graduates have typically advanced beyond entry-level jobs and are in career-track positions, explains Coffin.

Grande Prairie Students Gain Access to U of A

A joint BEd degree program with Grande Prairie Regional College is the U of A's first successful Access Fund proposal to receive funding from the Alberta government. The University has been awarded more than \$60,000 to accept 40 Grande Prairie students who will enter their third year of a BEd in September 1995. The initial class of students from the program will graduate in 1997.

The Access Fund, which is expected to grow to \$47 million in the next three years, was established by the Alberta government in 1994. It is being used to create the equivalent of 10,000 additional full-time places in the province's advanced education system. Under the second phase of Access funding, the University has made 10 additional proposals to create new learning opportunities that are designed to improve students' chances

for employment.

The University's 10 recent proposals include: a BSc degree with a minor in business; an Alberta-specific component for the Bachelor of Design program; a "virtual" library system providing library access for other post-secondary institutions; industrial internship programs in the Faculty of Science; an environmental engineering program; a Bachelor of Fine Arts in technical theatre; a Bachelor of Music in jazz studies (in conjunction with Grant MacEwan Community College); expansion of the Bachelor of Arts in criminology; enhancement of the transition year program for aboriginal students; and expansion of the co-op program in chemical engineering.

English Scholars to Study Women's Writing

The largest Social Sciences and Humanities Research Council award ever granted to U of A researchers will go to a team of English Department scholars being led by Dean of Arts **Patricia Clements, '64 BA**. Working with her on the project to produce *An Integrated History of Women's Writing in the British Isles* will be David Maill and Tory Professor Isobel Grundy of the U of A, along with a colleague at the University of Guelph. The venture will be managed from the Research Institute for

Women's Writing on campus.

Conceived as an ambitious project in both scholarship and academic computing, the *History* will be produced in both printed and electronic form. When the funding was announced, the University's vice-president (research), Martha Piper, said the project is "the first full scholarly history of women's writing in the British Isles and will advance scholarship on women's writing to a new stage. At the same time, it will explore the implications of humanities computing on literary scholarship."

Since the custom-designed computing project is to be geared to research scholars in a variety of disciplines, it will have potentially wide applications.

Other U of A academics involved in the *History* include English professors **Juliet McMaster, '63 MA, '65 PhD**, **Shirley Neuman, '68 BA, '69 MA, '76 PhD**, and Patricia Prestwich, all of whom will serve on the board of the project. "It would probably be accurate to say that all of us are over the moon with delight," said Clements after the grant was announced.

Integration May Be Lifeline for Dentistry Faculty

The Faculty of Dentistry has been granted a reprieve by the Board of Governors' decision to pursue integrating Dentistry into the Faculty of Medicine.

Last year, the University's *Quality First* document recommended closing the dental faculty at the end of the 1997-98 academic year, a decision which was met with numerous expressions of concern.

After the 13 January Board meeting, at which the decision to pursue integration was made, Alberta Dental Association president Bill Sharun, '72 BSc, '74 DDS, said, "Today marks the beginning of a partnership in health education, between the oral health sciences, including dentistry

and dental hygiene, and medicine."

A group has been established to develop a blueprint for the proposed integration, which would commence on 1 April 1996. Group members are Chris Cheeseman, **Peter Crockford, '59 MD**, and **Lorne Tyrrell, '64 BSc, '68 MD**, from the Faculty of Medicine; Ken Hinkleman, Tim McGaw, Wayne Raborn and Paul Scott from Dentistry; and Janice Pimlott from Dental Hygiene.

For the 1995-96 academic year, the Faculty of Dentistry would have an interim dean who would work to ensure a smooth transition into the medical faculty. The group's proposal is expected to be completed by 1 May and will then be considered by the Academic Development Committee and reviewed by the Board of Governors.

The University stands to save about \$2.5 million annually through combining the teaching and administrative resources of the two faculties, which is slightly less than the savings that would have been realized by eliminating the Faculty of Dentistry. Yet to be decided are concerns such as what the resulting faculty will be called, and what status the

oral health sciences will have within the new faculty.

Supporters of the integration see it as promoting strong research partnerships and new approaches to dental education in the combined faculty, and also remaining consistent with the University's goals of selectivity and collaboration.

Awards Promote Animal Welfare

Awards established by the late **Louis D. Hyndman Sr, '27 LLB**, recognize University faculty and staff who contribute to the welfare of animals used in research on campus.

Two Louis D. Hyndman Sr Awards were presented by Chancellor **Lou Hyndman Jr, '56 BA, '59 LLB**, late last year: Bill Samuel, a biological sciences professor, received the investigator/researcher award, and a group of technicians in the Department of Agricultural, Food and Nutritional Science received the technician's award.

Internationally-known philosopher and bioethicist Bernard Rollin, a Colorado State University professor, presented the inaugural lecture to be given annually in association with the awards.

U of A Photo Services



U of A Vice-President (Research) Martha Piper and visitor **Viatcheslav Brioukhovetsky** ink a pact joining the University of Alberta with the University of Kiev-Mohyla Academy in Ukraine. The memorandum of understanding will facilitate various special activities and joint projects between the U of A and the 362-year-old Academy. These might include: faculty and student exchanges, seminars and academic meetings, collaborative research activities and publications, shared academic materials, and short-term academic programs.



Dean of Arts Patricia Clements

U of A Public Affairs

Are You Unemployed?

If you are a University of Alberta graduate who would like to be more saleable in a competitive job market, plan to attend one of the following employment workshops. These workshops will be conducted by expert personnel from the University's Career and Placement Services.

Effective Résumés and Cover Letters

\$20.00 incl. GST

26 April - 5:00 to 8:30 p.m.

An effective résumé and cover letter targeted to the job for which you are applying is necessary in order to move on to the interview stage. This workshop will show you how to present yourself in writing and help you identify your transferable skills.

Job Search Strategies For the '90s

\$20.00 incl. GST

27 April - 4:00 to 6:00 p.m.

More than 80 per cent of jobs are never advertised. How do you tap into the hidden job market to learn about these jobs? This workshop will explore successful job search techniques, with an emphasis on networking your way to employment.

Interview Skills

\$20.00 incl. GST

27 April - 6:30 to 9:30 p.m.

Learn to lessen the stress you feel going into an interview by understanding what to expect and how to conduct yourself. Types of interviews, questions, and practical tips will be covered.

Making a Career Change

\$20.00 incl. GST

28 April - 10:00 a.m. to 3:00 p.m.

Making a career transition, whether voluntary or not, can be difficult if you don't fully understand career decision-making. This workshop focuses on major components of the decision-making process and provides practical advice on how to make a career change.

Register before April 19 by contacting:

Office of Alumni Affairs
450 Athabasca Hall
University of Alberta, T6G 2E8
Telephone: (403) 492-3224

Around and About

■ Acting Dean of Engineering **David Lynch**, '82 PhD, has received the 1994 Albright and Wilson Americas Award from the Canadian Society for Chemical Engineering. The award goes to a Canadian who has made a distinguished contribution to chemical engineering before the age of 40.

■ Janine Andrews, director of museums and collections and information enterprises at the U of A, received the Outstanding Service Award from the Alberta Museums Association for 1994. Andrews is a past vice-president and president of the Association and has been a member for the last 10 years.

■ Two U of A health educators have pioneered an interactive educational software package on HIV and AIDS. Former U of A student Lori Isberg, now a peer health educator for the University's Health Services, developed the Internet shareware program *AIDS in Canada* with health education coordinator Judy Hancock.

■ For the first time ever the CAUSE Award for Excellence in Campus Networking has gone to a university outside of the United States. The U of A was recognized over 17 other competitors for the award, which acknowledges campus-wide network planning, management and accessibility, and effective use of the network to enhance teaching, learning, research and community service.

■ The Scott Health Sciences Library recently received a windfall of almost \$6,000 — the total parking revenue collected at the installation of the new president and donated to the University Libraries. The Scott Library plans to use the funds to improve its patient information collection.

■ Vice-president (research) Martha Piper is now a member of the National Advisory Board on Science and Technology, which advises the prime minis-

ter on science and technology issues affecting federal government policy.

■ Department of Psychology chair **Gene Lechelt**, '64 BSc, '66 MSc, '69 PhD, received the 1994 Canada Volunteer Award — Certificate of Merit from the Canadian National Institute for the Blind. The award recognized Lechelt's outstanding volunteer contributions to enhance services to blind, visually impaired, and deaf-blind Albertans.

■ The Chemical Institute of Canada presented its Catalysis Award to U of A chemical engineering professor emeritus **Ivo Dalla Lana**, '53 MSc, for his 25-year contribution to the field of catalysis research.

■ The award-winning Hybrid Electrical Vehicle developed at the U of A as a student project has been selected for a one-year trial run in Edmonton Power's commercial fleet.

■ The Nursing Graduate Students' Association gave its 1994 Academic Excellence in Teaching Award to nursing professor Marion Allen.

■ A recently renovated room in the Fine Arts Building now houses the Institute for Studies in Ethnomusicology, which holds an extensive collection of ethnographic sound and video recordings which are available for the use of scholars and the public.

■ Medical ethicist John Dossetor, professor emeritus in the Faculty of Medicine, is now an officer in the Order of Canada and professor emeritus of soil science **Fred Bentley**, '39 BSc(Ag), '42 MSc, '90 LLD (Honorary), has become a member in the Order.

■ Professor emeritus of English **Rudy Wiebe**, '56 BA, '60 MA, won his second Governor General's Award for Fiction for his novel *A Discovery of Strangers*, which was inspired by the explorations and fate of Sir John Franklin.

■ Shrawan Kumar of the U of A Department of Physical Therapy has received an exceptional distinction from the Duke of Kent, who is the chancellor of Kumar's alma mater, the University of Surrey. Kumar, an ergonomics scholar, recently received a rare DSc degree, which is given to outstanding researchers whose work has produced a significant body of knowledge advancing their field.

■ Pharmacology professor Bill Colmers is the first Canadian recipient of the prestigious Eli Lilly Pharmacology Grantee Award. The grant of \$10,000 annually for two years will allow Colmers to further his research into neuropeptide Y, which inhibits damaging transmissions between nerve cells.

■ The Edmonton Construction Association's 1994 Claude Alston Memorial Award for contributions to the construction industry went to **William Weir**, '55 BSc(Ag), an associate professor of civil engineering. Weir is a past president of the Association.

■ The U of A and the University of Calgary have proposed a joint executive MBA program, which would enable managers and senior executives to earn a master's degree without leaving their jobs. Similar programs are offered by Queen's and Simon Fraser Universities.

■ Electrical engineering student Elizabeth Allegretto is one of 25 winners of a Women in Engineering and Science Program Award. The honor will allow her to study in Ottawa for three summers with a scientist at the National Research Council.

■ The Medical Research Council of Canada recently awarded a \$2.5 million, five-year grant to the U of A's Molecular Biology and Membrane Group for its research into the structure and function of proteins in cell membranes. This basic research could lead to new approaches in treating diseases such as cancer and heart failure.

A Star is Born



The opening of the Timms Centre for the Arts provides some stellar opportunities for the Department of Drama.

By Deborah Witwicki

When the curtain rises this March on Studio Theatre's production of Jean Anouilh's *Ring Round the Moon*, a new theatre will have its debut. The brand-new Timms Centre for the Arts provides the University's distinguished Department of Drama with a professional performance and teaching venue. It also presents opportunities for the community to become more involved with this gateway to the University.

Indeed, the Drama Department's new performing arts centre owes its existence to community support: the \$11.23 million Timms Centre was made possible by the legacy of Albert Timms, an Erskine, Alberta farmer who died in 1978 leaving the bulk of his estate to the University of Alberta for a building to continue the family name. By the time construction on the Timms Centre began in the summer of 1993, the estate had grown to more than \$7 million. To this were added contributions from major banks and other private donors and matching funds from the Government of Alberta. At a time of fiscal restraint, the Timms Centre demonstrates what can be achieved through part-

nerships between the University and the community.

With its distinctive fly tower and curved glass curtain wall framing the lobby, the Timms Centre adds a strong presence to the southeast corner of campus. Set on the site of a former parking lot at 87 Street and 112 Avenue, it is connected by an overhead walkway to the Fine Arts Building and through to HUB and the LRT station — thereby opening a new entrance to campus, one that gives the Department of Drama an excellent marketing opportunity. Students and faculty making their way onto campus through the new building will pass directly by the Department's box office and won't be able to miss the marquee promoting current and coming attractions. And as they pass they will be enticed by the Centre's unmistakable sense of theatre, their imaginations stirred by a balcony running through the entrance foyer — a balcony whose heritage is underlined by its resemblance to the catwalks that form an intricate grid above the Centre's stages.

The spacious lobby of the main theatre adds to the ever-present sense of drama. From its



Above top: Natural light floods the rehearsal hall, which simulates the entire performance area of the main stage.

Immediately above: The spacious costume shop is one of many back stage workshops dedicated to both construction and instruction.

Photos by Lotus Studio

interior there is a panoramic view stretching from the commercial high-rises to the south to venerable St. Stephen's College and its campus neighbors lining 112 Street to the north. At one end, a staircase leads up to the main stage, connecting the lobby's ground floor and mezzanine levels and incorporating an informal playing platform, ideal for speeches and lunch-time performances.

The Timms Centre houses two principal performance venues: the main stage and the second playing space. The main theatre has a proscenium stage and seating for 289 (or 321 with the orchestra pit at house level). The second playing space, which can accommodate an audience of up to 100, has flexible seating that allows for various theatre configurations: thrust, arena, alley, environmental, end or corner stage.

The two performance venues are the nuclei of the building, but what sets the Timms Centre apart from similar facilities is the way the structure facilitates instruction and allows for innovative, safe, efficient production. Above the auditorium in the main theatre the sound and lighting booths are large enough for instruction. The sound booth can double as a small recording studio, while the lighting booth can function as an experimental light lab. The sys-

tems housed in both performance spaces are computerized and state-of-the-art.

Brightened by natural light, the rehearsal hall is spacious enough to simulate the entire acting area of the main stage, allowing the director to have a full-scale view of the work in production.

Back stage, the main theatre is an excellent lab for traditional forms of theatre rigging. The entire stage is trapped — making it possible to locate trap doors to meet any production need. Wing space is ample to allow trucking of scenery, and the full fly tower supports a system of counterweighted pipes for flying scenery in and out.

Strategically placed next to the performing areas are the theatre shops, all well lit and ventilated. The shops include a facility for the construction of scenery (sound-proof doors allow work to continue even when a production is in progress), a paint fit-up area where scenery receives its finishing touches, and a prop shop where set dressing and other props are constructed or modified. There are also large areas for the construction, maintenance and alteration of costumes.

All of the shop areas were designed to accommodate both the construction needs of productions and the teaching of classes. Adjacent to them are storage facilities for the vast stock of props and costumes that the Drama Department has accumulated over its 46-year history.

While the Timms Centre's design clearly places it at the forefront of new theatre facilities, the planning of the building drew upon the history of the department and the experience of faculty and staff who have practised their art in theatres throughout North America and beyond.

Alan Welch, an administrative officer in the Department of Drama, coordinated the department's participation in the building process. Welch explains that groups of faculty and staff were formed to decide what spaces were needed in the facility and how they should relate to each other. "We knew what we wanted," he says. "Although we are a department of diverse interests and specialties, we came together very quickly on what was needed for the facility to serve the needs of the teaching programs. The process brought us closer together."

To meet the needs identified through this process, the Department of Drama's building committee worked with the architects of Brinsmead Ziola Associates and with another building committee that included people from the University's physical plant, planning and development, and grounds and transport offices. Additional expertise was contributed by consultants, who provided input into the fine points of acoustical, theatrical and landscape

design, as well as cost control. The general contractor for the project was Granville Constructors Limited.

The careful planning and design shows in areas like the second playing space. This facility, says Welch, "affords directors, designers and actors a totally flexible theatre with few creative limitations." Features such as railed catwalks increase the room's flexibility while ensuring student safety, making the second playing space an ideal public performance venue for BA, BEd, MA and MFA students, as well as a research facility for the faculty.

"Our actors, directors, designers and technicians now have the opportunity to experience all types of performance venues during their schooling, and they will be prepared to deal with any professional situation they encounter," says Welch.

Thomas Peacocke, '53 Dip(Ed), '55 BEd, '59 BA, the Drama Department's coordinator of acting training and the director of the opening play in the Timms Centre, agrees. Peacocke studied at the University of Alberta in the 1950s and, after earning an MA in directing from Carnegie-Mellon University, began teaching drama at the U of A in 1961. His many credits in film, television, radio and stage have earned him Genie and Sterling Awards as well as a Dave Billington Award for outstanding contributions to the Alberta film industry.

With the completion of the Timms Centre of the Arts, which is connected to the Department of Drama offices and classrooms by an above-ground walkway, Peacocke is enthusiastic about what the department can now offer its students. "The Timms Centre is the finest teaching facility that I am aware of, and it physically brings together the drama department as a whole for the first time since 1972," he says.

Drama department chair David Barnett says the Timms Centre for the Arts even exceeds the expectations he and his colleagues had for it. "It offers us a potential we haven't quite grasped yet," says Barnett, an alumnus of Rose Bruford College of Speech and Drama in England and the founding director of Edmonton's Catalyst Theatre.

The Timms Centre's main stage will be the new home for Studio Theatre, which annually showcases the talents of the Drama Department's graduating BFA acting class. Barnett points out that, while admission is inexpensive, Studio Theatre has always offered an exciting, unusual season, including some large cast productions that would be prohibitively expensive for most professional companies. With its new stage, Studio Theatre will be able to engage its audiences even more, says Barnett. "The Timms Centre allows the students a superb platform for their work. It is a theatre



that provides the setting for a dynamic relationship between the company and its audience," he says, explaining that other stages where Studio Theatre has performed have tended to create a passive, observing audience, but the new theatre is different: "Here, interaction and a participatory relationship between actors and audience is promoted by the space."

Barnett also points out that the Timms Centre enables his department to involve its audience not just in the final production of theatre but also in the educational process. "We are allowed to open up the workings of the department. Play readings, dance performances, ad hoc presentations are all possible."

The building of the Timms Centre has prompted Barnett's department to begin planning a world-class program for a Bachelor of Fine Arts in theatre technology. There is a demonstrated need in this evolving industry for professional staff, says Barnett, who is particularly excited about the potential the Timms Centre offers to forge a stronger relationship between the department and the community.

He points out that the Timms would be ideal for high school drama festivals, professional performances, children's workshops and extension of city festivals. "The Timms Centre propels us into a new world of business, art and education ... and opens up endless opportunities for exchange with the community."



Above top: The new Centre even exceeds expectations, says Drama Department Chair David Barnett.

Middle: The main stage auditorium seats almost 300.

Immediately above: The Studio Theatre emblem is proudly displayed on the main stage doors.

A Network of Excellence

U of A researchers play a leading role in Canada's protein engineering network

With a short flurry of key-strokes that he punctuates by striking the ENTER key,

PENCE research associate Frank Sönnichsen invokes the processor of a Silicon Graphics computer work station. As the screen redraws, a new image appears on the monitor: a skein of ribbon-like strands that Sönnichsen's experienced eye recognizes as the structure of a protein — specifically, a type three antifreeze protein. It is this protein, explains Sönnichsen, that allows the ocean pout (an eel-like fish found off the North Atlantic coast) to thrive in frigid waters where its very flesh should freeze.

Sönnichsen, a chemist with expertise in computer imaging programs, is a native of Kiel in northern Germany. He came to Alberta in 1989 as a postdoctoral fellow, drawn by the quality of work being done by U of A researchers exploring protein structure and function.

Those researchers are now at the very heart of PENCE, Canada's national thrust to understand protein structure and function and put that knowledge to use. To understand, for instance, what it is about the structure of certain proteins that gives them the ability to prevent freezing — a knowledge that could some day lead to innovations such as engineered strains of grain able to withstand killing frost.

PENCE — the acronym for the Protein Engineering Network of Centres of Excellence — is a scientific alliance that stretches almost the breadth of Canada, linking researchers in more than 50 separate research groups at seven universities, two hospital research institutes, seven industrial research and development facilities, and a federal laboratory. On



Alumnus Robert Hodges says the network he now heads strengthens the quality of protein engineering across Canada. The immediate emphasis, he says, will be to build more strong industrial interactions.

1 January 1995, the administrative centre for the alliance moved to the University of Alberta, and biochemistry professor Robert Hodges, '71 PhD, took over as network leader.

PENCE's new administrative office is now located on the seventh floor of the University's Heritage Medical Research Building, where renovations are currently being completed to accommodate an office staff of six, including the network manager who relocated from Vancouver.

"Locating the office at the University of Alberta is an expression of confidence in our research excellence," says Martha Piper, the University's vice-president (research). It is also recognition for Hodges. "Naming Robert Hodges as

network leader recognizes his leadership in the protein engineering field," says the research v-p.

PENCE was created in 1990 as part of the Canadian government's Networks of Centres of Excellence program. Under that program, more than a dozen separate networks were established as part of an intensive national research and development effort aimed at enhancing Canada's industrial competitiveness and social well being in a new global economy.

Of these networks, PENCE proved to be one of the most successful, and its profile was enhanced when the original network leader (and still

PENCE's president), biochemist Michael Smith of the University of British Columbia, received a Nobel Prize in PENCE's inaugural year. That honor recognized his discoveries related to site-specific mutagenesis — breakthroughs that spawned the biotechnology industry by making it possible to make precise alterations to DNA to yield tailor-made proteins.

Last year, when the networks created in NCE's inaugural phase were assessed as part of the competition for phase two funding, PENCE received the highest overall rating. That success was rewarded with renewed funding amounting to \$17.25 million over the next four years.

Leading PENCE is a "huge challenge," says its new network head. "We have four years of experience at consolidating our research expertise. Our emphasis now will be to build more strong industrial interactions that will benefit the provinces and the country," says Hodges, who has high praise for the network approach.

He says that, by building consortia of scientists from different places and from different research disciplines, PENCE strengthens the quality of protein engineering research across Canada. "The days have passed when any one lab can do it all," he says. "Pulling people together with all sorts of different expertise, you have a synergy. You get something more than just the additive effect — you have that boost of the synergy."

Proteins are basic to life. Sculpted from amino acid molecules tethered by peptide bonds, they are the building blocks of all living cells. In

every function upon which the human body depends, they play an essential role. The primary goal of protein engineering is the rational design and construction of novel proteins with enhanced or unique properties. The starting point is an understanding of protein structure and function.

"In our network, there's a big emphasis on determining the three-dimensional structure of protein molecules," says Hodges. As a result, analytical techniques such as NMR spectroscopy and x-ray crystallography play an important role. But this is only a beginning; once a structure-function relationship has been determined, the tools of genetic engineering are brought to bear to design new proteins through DNA manipulation.

The effort to improve on nature's proteins brings together many different fields of science, points out Hodges. "We have immunologists in our network; we have microbiologists; people involved in peptide chemistry, protein chemistry, enzymology; we have x-ray crystallographers, NMR spectroscopists ... It's a multidisciplinary approach," he says.

Equally varied are the applications to which the fruits of the collaboration are being addressed. "Protein engineering is basic to most biomedical sciences," says Hodges. "There are really no boundaries for it."

Nor does the importance of the technology end with its medical applications. Improved proteins will have an impact in the food industry, in numerous industrial applications, and in the processing and production of fine and bulk chemicals, says Hodges. The potential of the technology has already stimulated large investments in Europe, Japan and the U.S.A., he adds.

A focus within PENCE is the engineering of improved proteins for use in the pulp and paper industry. Certain enzymes — enzymes are proteins that act as biological catalysts in

biochemical reactions — have potential for use in de-inking recycled paper and bleaching wood pulp. Ways are being sought to develop these enzymes as the basis for environmentally-friendly, commercially-viable technologies.

At the University of Alberta, PENCE researchers work primarily in three disciplines under the direction of eight principal investigators: Hodges, Cyril Kay, Bruce Malcolm and Brian Sykes, '65 BSc, in Biochemistry; David Bundle and Ole Hindsgaul, '80 PhD, in Chemistry; and Randy Irvin and Randy Read, '79 BSc, '86 PhD, in Medical Microbiology and Infectious Diseases.

In all, there are about 40 people directly or indirectly involved in PENCE at the University of Alberta. These range from the principal investigators and a variety of research personnel — including research associates such as Sönnichsen — to office staff.

One of the major study areas at the U of A is a vaccine project that has as its focus the development of artificial vaccines for a variety of diseases. Another major involvement is in a project examining the proteins involved in the process by which chemical signals are carried to cellular targets and then transmitted to the cells.

Key factors in this process are the plasma membrane receptors located on the cell's surface. Because of their specificity, sensitivity and unique position, these receptors are able to regulate the responsiveness of cells to their environment. PENCE researchers are hoping to find

clues about how pharmaceuticals could be designed to take advantage of this process, targeting specific cells to produce a desired therapeutic effect. Such drugs are currently being sought for the management of such varied pathologies as cancer, inflammation and infectious diseases.

T

he work currently being done by Hodges and his PENCE colleagues has long

roots. In 1974 a grant of \$3 million from the Medical Research Council of Canada — at that time the largest grant ever awarded by the MRC — created the MRC Group on Protein Structure and Function at the University of Alberta. That Group is still very active and its many contributions have been recognized with renewed funding at regular intervals.

Among the principal investigators named when the MRC Protein Structure and Function Group was founded was Hodges — then 31 — a native of Saskatoon who earned his BSc degree at the University of Saskatchewan and worked in Suffield, Alberta for the Defence Research Board before completing his PhD studies at the U of A in 1971. He then spent three years as an MRC postdoctoral fellow at Rockefeller University in New York City. There he worked in the lab of biochemist Bruce Merrifield, who later won the Nobel

Prize in chemistry for his work in solid phase peptide synthesis.

Since bringing the techniques he learned in Merrifield's laboratory back to Alberta, Hodges

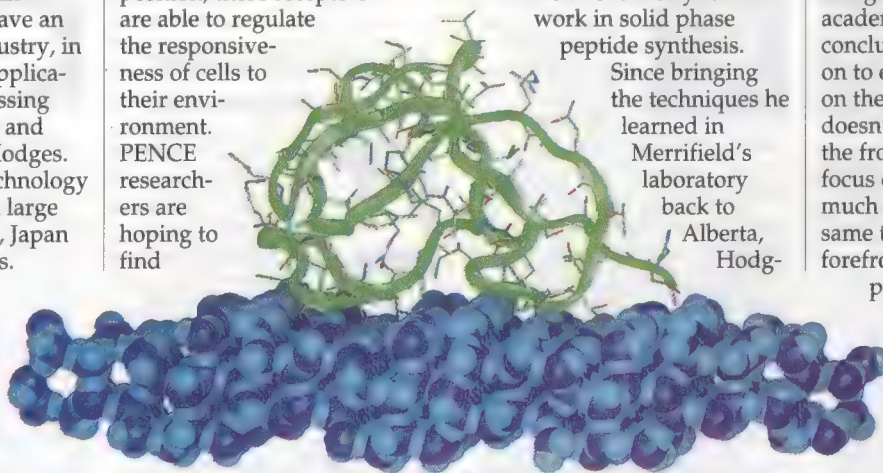
has not only built a reputation as a leader in peptide/protein design, he has also shown leadership in the areas of industrial interaction and technology transfer. He established the Alberta Peptide Institute, a cost-recovery service facility providing synthetic peptides to researchers across Canada, and is co-founder, president and CEO of Synthetic Peptides Incorporated, a biotechnology company focused on the development of synthetic peptide vaccines, antibody therapeutics and diagnostics for bacterial pathogens.

In discussing PENCE, Hodges stresses the goal of developing new technology and transferring it to industry. "This is all about the new economy," he says, making the point that Canada's future well-being will be tied to its success in developing advanced technologies. "The growth in Canada is going to be in high tech and biotech industries," he says.

And these industries will require trained personnel, he adds, pointing out that PENCE has an important role to play here as well. "We provide an ideal training environment. Graduate students and post-doctoral fellows interact regularly with scientists from biotechnology and biopharmaceutical companies, gaining a working knowledge of the priorities and goals of industry," he says.

"The network is really bridging the gap between academia and industry," concludes Hodges, who goes on to explain that an emphasis on the needs of industry doesn't preclude research on the frontier of science. "We focus on applied research as much as possible — but at the same time we have to be at the forefront of the technologies of

protein engineering, so that we are not just doing applied research for today, but developing new technologies that will be used for applied research 10 years from now."



This computer-generated image shows a type three antifreeze protein on a bed of ice.

Areas of Established Excellence

The University identifies 15 research areas in which it excels

W

hen the University set about the process which ultimately identified 15 established and seven emerging areas of research excellence, there was but a single consideration, explains the University's vice-president (research), Martha Piper. "The only criterion that was used was excellence; there was no attempt to ensure that all kinds of disciplines were represented," Piper says.

The fact that the chosen disciplines are representative of the broad and diverse range of research happening at the University — encompassing everything from cosmology to the fine arts — indicates that "our areas of true excellence do, in fact, span the entire range of investigation and creative work that is conducted," she says.

Following an initiative in the 1993 *Degrees of Freedom* report, Piper and the University Research Policy Committee set out to identify research areas in which the U of A is widely considered to be a leader. The selection process was rigorous and thorough. Deans of each of the Faculties first submitted their nominations for the research excellence designation. Supporting evidence was then examined by the Committee as well as Deans Council prior to the compilation of the final list of 22 disciplines, released this past November as part of the document *Making Sense*. Recognizing that change and evolution are integral aspects of research, the selection process is to be repeated and revised lists produced in future years.

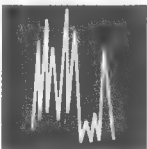
The attributes of each area of excellence are as varied as their subject matter. In disciplines such as English literature and analytical chemistry — subjects

which are investigated at almost any large university — the University may have devoted years to establishing an internationally-recognized body of work by a group of distinguished scholars. Alternately, specific areas such as fish endocrinology and printmaking have achieved prominence largely through the prevailing efforts of a few exceptional researchers.

The U of A is the most northerly research-intensive university in North America and, as Piper points out, research links and multidisciplinary studies, such as those that have contributed to the area of excellence in social and scientific study of Western and Northern Canada, flourish as "a natural consequence of our unique geographical location."

Noting that the exclusivity of the areas of excellence list was such that "some notable areas of research strength were omitted at this time," Piper says the areas identified are "indeed a cause for celebration by the University — its staff, students and alumni — and by the people of this province."

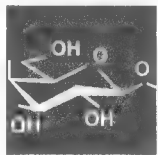
Analytical Chemistry



Researchers in the U of A's outstanding division of Analytical Chemistry are innovators in several areas of study. Steacie Prize recipient Norm Dovichi uses extremely sensitive measurement techniques to analyze the structure of DNA, proteins and oligosaccharides. The work of Gary Horlick in the area of spectroscopic analysis has resulted in major improvements to instruments that are marketed worldwide. The highly miniaturized chemical sensors developed by Jed

Harrison have received popular and scientific international attention, and Paul Kebarle is recognized for his development of instruments for mass spectrometry.

Carbohydrate Chemistry



The University's decades of prominence in this area of excellence are frequently attributed to the pioneering work of **Raymond Lemieux**, '43 BSc, '91 LLD (Honorary). Lemieux's work on the structure of complex carbohydrates on cell surfaces that affect antibody-antigen reactions has had implications for determining blood-type groupings and the ways in which bacteria recognize and invade cells. Two recent appointments assure that the legacy of excellence in carbohydrate chemistry will continue: NSERC Steacie Fellowship holder **Ole Hindsgaul**, '80 PhD, a specialist in the synthesis of complex carbohydrates to study the function of cell-surface sugars; and David Bundle, an expert on the biological process that triggers cellular adhesion and toxin or virus bleeding.

Catalysis and Catalytic Reaction Engineering



The Catalytic Reaction Engineering group in the Department of Chemical Engineering develops chemical processes that improve efficiency and reduce environmental impact. The six researchers who make up the group study processes that range from fine chemicals to waste treatment. The work of

the CRE group is complemented by research being completed in the Department of Chemistry by a team headed by William Graham, which has developed numerous catalysts for hydrocarbon compound reactions.

Cosmology



The U of A Cosmology group is comparable in size and renown to other leading groups in the field at CalTech, UC Santa Barbara and Cambridge. Werner Israel, the world's leading expert on black holes, began his work at the U of A in 1963. His distinguished colleagues now include Don Page, another black hole researcher; Bruce Campbell, a theorist in the area of superstring theories; and Valeri Frolov, who became a Killam Professor of Physics in 1993. The astrophysical implications of the work done in this area of excellence at the U of A are internationally acknowledged and admired.

English Literature



This area of excellence actually encompasses three particular specialties within one of the largest departments at the University of Alberta. In the study of 18th and 19th century literature, women's writing, and the Renaissance, researchers at the U of A are forerunners. The literature of the 18th and 19th century literature is a specialty of **Isobel Grundy** and **Juliet McMaster**, '63 MA, '65 PhD, while **Patricia Clements**, '64 BA, **Shirley Neuman**, '68 BA, '69 MA, '76 PhD, **Isobel Grundy**

and Patricia Demers are all ground-breakers in the field of women's studies. Shakespearean scholar John Orrell's theories about the location and architecture of the famous Globe Theatre are the basis for a reconstruction of the building currently underway in London.

Environmental Sciences and Engineering



The Environmental Research and Study Centre at the University gathers a broad range of expertise in environmental sciences and technology from researchers all over campus. Distinguished scholars here include Killam Professor of Ecology David Schindler, whose areas of research interest include water pollution and acid rain, global warming, and the ecological effects of introducing new species; and Canadian Eco-Research Professor **Steve Hrudey, '70 BSc(Eng)** of the Faculty of Medicine, who studies water quality, hazardous environmental contaminants and environmental health risks. Also contributing to this area of excellence are researchers from the fields of microbiology, civil engineering, biological sciences and the Faculty of Agriculture, Forestry and Home Economics.

Fish Endocrinology



When current U of A dean of Science Richard Peter arrived in 1971, his expertise in the field of fish endocrinology formed the hub of an area of excellence in the study of the controlling effects of hormones on the physiological function and growth of fish. A pioneer in the investigation of pituitary hormone secretion in goldfish, Peter was able to attract leading researchers, including Norman Stacey and **John Chang, '83 PhD**, to

the U of A in the 1980s. This research group contributes to improved practices for fish farming, and leads its field in the study of sex pheromone function in goldfish and fish pituitary function.

Geotechnical and Structural Engineering



Planning and designing projects such as buildings and bridges, and determining the characteristics of the rock and soil that support those structures, are the twin towers upon which the Department of Civil Engineering has elevated its reputation for research excellence. The completion of almost all tall buildings and bridges in Canada (including the Northumberland Bridge) and numerous petroleum industry projects (including the Trans Alaska and Norman Wells pipeline systems) have relied on the endeavors of these two esteemed research groups.

Lipids and Lipoproteins



Understanding the production of the lipids that cause cardiovascular disease — including phospholipids, lipoproteins and that rogue, cholesterol — is the mission of the Lipid and Lipoprotein Research Group in the Faculty of Medicine at the University of Alberta. Ranked as one of the top two such centres in the world, the University of Alberta Group has interdisciplinary members from the Departments of Biochemistry, Medicine and Pediatrics. The Group is an internationally recognized centre for graduate and post-doctoral studies, and it regularly attracts a number of senior research scientists on sabbatical from major universities in Canada and the United States.

Neuroscience



A pioneer interdisciplinary PhD in Neuroscience established at the U of A reflects the contributions made in this area of excellence not only by researchers in the Faculty of Medicine, but by other University scientists. For example, Douglas Wahlsten of the Faculty of Science is a leading North American behavior geneticist, and U of A scientists at the Bamfield Marine Station study jellyfish to observe the chemical and electrical communication between nerve cells. Within the Faculty of Medicine, Richard Stein's Rehabilitation Neuroscience Group has made strides in restoring basic movements in patients who have suffered from accidents or disease. The Group's micro-processor-controlled knee joint and nylon-reinforced electrodes for stimulating paralyzed limbs have been hailed as scientific, clinical and commercial successes.

Pharmaceutical and Medicinal Chemistry



The Organic Chemistry division of the Department of Chemistry and the pharmaceutical sciences division of the Faculty of Pharmacy and Pharmaceutical Sciences are partners in an endeavor to aid the pharmaceutical industry in discovering new drugs and to develop a more complete understanding of known drugs. Pharmacy colleagues Len Wiebe and Ed Knaus lead a group that has worked on antiviral and antitumor drugs, compounds affecting calcium channels, radiopharmaceuticals, drug metabolism and pharmacokinetics, and liposome development. Chemists John Vederas and William Ayer are experts, respectively, in developing inhibitors of bacterial cell growth for possible use as antibiotics and

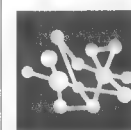
isolating medicinal compounds from plants and fungi.

Printmaking, Performance and Piano



Within the Faculty of Fine Arts, three disciplines have been distinguished as areas of excellence. The printmaking unit in the Department of Art and Design boasts three internationally recognized artists: Lyndal Osborne, Walter Jule and **Elizabeth Ingram, '76 MVA**. They are frequently joined by distinguished international guest artists who are drawn by the reputation of the faculty and the graduate printmaking program. The opportunity to study under acclaimed pianists Helmut Brauss, Stephane Lemelin and Marek Japlonski attracts talented students from all over North America to the Department of Music, which also boasts composer Malcolm Forsyth as a faculty member. The opening of the Timms Centre for the Fine Arts in April will crystallize the presence in the Edmonton arts community of the Drama Department, which is celebrated for the diversity and calibre of its productions.

Protein Structure and Function



A 40-year tradition of proficiency in protein engineering recently culminated in the location of the Protein Engineering Network of Centres of Excellence (PENCE) to campus. Since Larry Smillie and Cyril Kay founded the flourishing MRC Group in Protein Structure and Function in 1974, U of A biochemists have contributed to the understanding of protein structure and function. Among them are Michael James, a pioneer in the field of protein crystallography, and **Brian Sykes, '65 BSc**, who uses

nuclear magnetic resonance techniques to determine protein structure. **Robert Hodges, '71 PhD**, the current leader of the Network, is a biochemistry professor with a particular interest in synthetic peptide techniques.

Social and Managerial Aspects of Sport and Leisure



Authored by the team of **Ann Hall, '68 MA**, **Trevor Slack, '77 BPE**, **'79 MA, '83**

PhD, Garry Smith, '63 BPE, **'74 PhD**, and David Whitson,

Sport In Canadian Society is a widely used text on the social, economic and political impact of sports and leisure. It is also an example of the collaborative approach that has distinguished the research in this area at the U of A. These scholars have forged links not only within the Faculty of Physical Education and Recreation but with researchers in the Faculty of Business and the Departments of Women's Studies and Canadian Studies. Their colleague Tim Burton was a founder of the leading international journal in this subject area, *Leisure Studies*, and is the author of highly regarded books and articles on leisure policy.

Western and Northern Canada



Gaining a broader understanding of a variety of social and scientific aspects of Western and Northern Canada is the common goal of an interdisciplinary group of U of A ecologists, botanists, zoologists, agricultural scientists, economists, historians, political scientists, anthropologists and legal scholars. They utilize some of the finest research facilities available in their fields: the Western Centre for Economic Research is located in the U of A Faculty of

Business; the Faculty of Law is home to both the Law Reform Institute and the John A Weir Memorial Library; and the Canadian Circumpolar Institute houses its comprehensive library on campus. The CCI Library is a unique facility for the study of the North that attracts scholars from all over the world. Distinguished scholars involved in studies related to Western and Northern Canada include Northern wetlands expert Dale Vitt; George Foxcroft, who studies the reproductive endocrinology and physiology of swine; and Larry Wang, a scholar whose area of expertise is biological adaptation to cold climate.

Emerging Areas of Excellence

In a number of research areas, University of Alberta researchers and research groups are just beginning to step onto the world stage. As part of the rigorous review process identifying the University's areas of greatest research strength, seven areas of emerging excellence were identified.

Artificial Intelligence, Robotics and Control Systems

Six investigators in the Department of Computing Science have made advances in computer medical diagnosis and computer speech understanding. Their work is complemented by the Control Systems and Robotics Groups in the Departments of Chemical and Electrical Engineering, and by researchers in the Departments of Chemistry and Mathematical Sciences who are developing sophisticated new sensors for control systems.

Cell and Organ Transplantation and Immunology

The cells that attack foreign substances or antigens in the body after an organ transplant are the concern of cellular immunologists in the Faculty of Medicine. The Departments of Biochemistry and Surgery, along with the division of immunology and nephrology, study various aspects of cell proliferation, immune responses, immunosuppressive drugs and cell transplantation.

Fluid Dynamics and Transport Phenomena

The Faculties of Science and Engineering have emerging strength in the area of the physics of flowing liquids and gases, and in developing their underlying mathematical equations. The Fluid Dynamics Research Group operates in the Department of Mathematical Sciences, and Faculty of Engineering researchers are pacesetters in the application of transport theory phenomena to industrial problems.

Particle Physics

Nobel Laureate in Physics and U of A alumnus **Richard Taylor, '50 BSc, '52 MSc, '91 (Honorary)**, is a guiding influence in this emerging area of excellence, in which U of A researchers are involved in four major international experiments. Recent ap-

pointees to the particle physics group include James Pinfold, Douglas Gingrich and Nathan Rodning.

Professional Service Firm Management

Established by the Faculty of Business in 1992, the Centre for Professional Service Firm Management supports the innovative research being conducted on professional firms. Except for one somewhat similar institute at Duke University, the U of A Centre is unique. Its four members are Bob Hinings, Royston Greenwood, John Brown and the holder of the Certified General Accountant of Alberta Chair in Accountancy, David Cooper.

TRLabs

Telecommunications Research Laboratories originated in 1986, as a partnership between the University, the Alberta government and Bell Northern Research, as a means of completing collaborative research on telecommunications with minimal financial cost and risk. Investigations into networks, wireless communications and photonics are now carried out in five Western Canadian sites with the assistance of the Universities of Calgary, Saskatchewan, Regina and Manitoba and 25 industrial partners.

Viral Pathogenesis

The Viral Pathogenesis Group in the Faculty of Medicine studies disease-causing viruses, particularly those which cause chronic or persistent viral infections. **Lorne Tyrrell, '64 BSc, '68 MD**, leads the Group, which is investigating viral agents including HIV, hepatitis B virus, hepatitis C virus and the herpes virus family. The results of its research have important implications for the betterment of health, as well as potential commercial applications.

Alberta Bound

The chorus of Gordon Lightfoot's classic song *Alberta Bound* holds real meaning for me and provides a theme for my remarks today. Indeed, it's good to be "Alberta Bound."

Eminent Chancellor, Your Honor, Ladies and Gentlemen. *Mes chers amis, mes chers collègues. Je suis très heureux d'être ici devant vous. C'est un très, très grand plaisir pour moi et pour ma famille.*

Ninety years ago, my mother's father, my Grandfather MacNaughton, was "Alberta Bound." He studied accounting at Mt. Morency Business College in Quebec, but he dreamed of becoming a farmer.

It was this dream that drew my grandfather to Alberta. Arriving in Edmonton in 1905, he collected a pair of oxen and moved eastward to establish himself as a homesteader in Ranfurly, about 40 kilometres east of Vegreville. There he met and married my grandmother, raised four children and lived his dream of "farming the land."

Because I spent so many of my childhood summers on that family farm in Ranfurly, I think I have a pretty clear idea what attracted my grandfather to Alberta nearly a century ago:

- the beauty of the prairies,
- the vastness of the sky,
- the richness of the land,
- the integrity of the people,
- the enormity of the potential.



Lotus Studio

"It is the greatest privilege that I have ever been given."

On 20 January 1995 alumnus Roderick D. Fraser was installed as the eleventh president of the University of Alberta and spoke about his vision for his alma mater.

These factors have remained steadfast over the past 90 years. They continue to distinguish Alberta from other places and keep so many "Alberta Bound."

For me, the irony of life has brought me full circle: after more than 30 years away, I am delighted to be "Alberta Bound!" And, moreover, it has me facing a set of challenging opportunities of a different kind — yet, in some ways

analogous — to those faced by my grandparents some 90 years ago.

Life has certain privileges and responsibilities. As I reflect on my own life, and my return to Alberta, I am struck by how extremely privileged I am to have been selected to serve as the eleventh president of the University of Alberta.

The University of Alberta is truly a distinguished institution — one that is renowned for its scholarly achievements, its commitment to excellence in teaching, research and service to the community, and its depth, scope and diversity of academic programs.

I am honored and humbled by the privilege of assuming the presidency of this outstanding institution. It is the greatest privilege that I have ever been given.

And yet, with this privilege comes responsibilities. Today's universities are being challenged to seize the opportunities presented by several monumental

changes in our society, while, at the same time, honoring the age-old traditions of teaching and scholarship.

Universities have successfully evolved over more than 1,000 years. But, how do we now prepare for the 21st century? What are the challenges we face? What are the opportunities that await us? Can we rely on our past to guide us into the future?

The University of Alberta is a proud

part of my family's history. My mother attended Normal School in Corbett Hall, and my father holds two degrees from the U of A. More personally, it was on the diagonal path leading northwest from the Rutherford Library to the old cafeteria that I first met my wife Judith on a cold, windy fall day some 32 and one-half years ago.

Whilst my connection to the University is rooted in the past, my focus as president is clearly directed to the future. In my vision, I see the University of Alberta, now one of Canada's largest full-service, research-intensive universities, entering the next century as indisputably one of Canada's very best universities, and this in three mutually reinforcing ways:

- FIRST, in preparing students for life after graduation;
- SECOND, in having professors who are national and international leaders in their disciplines;
- THIRD, in ensuring that service to our communities is a priority for all of us.

First, our graduates will be prepared to work effectively and live fulfilling lives in the 21st century. They will be able to compete successfully with graduates from the best publicly-funded universities — not only in Canada, not only in North America, but in the world.

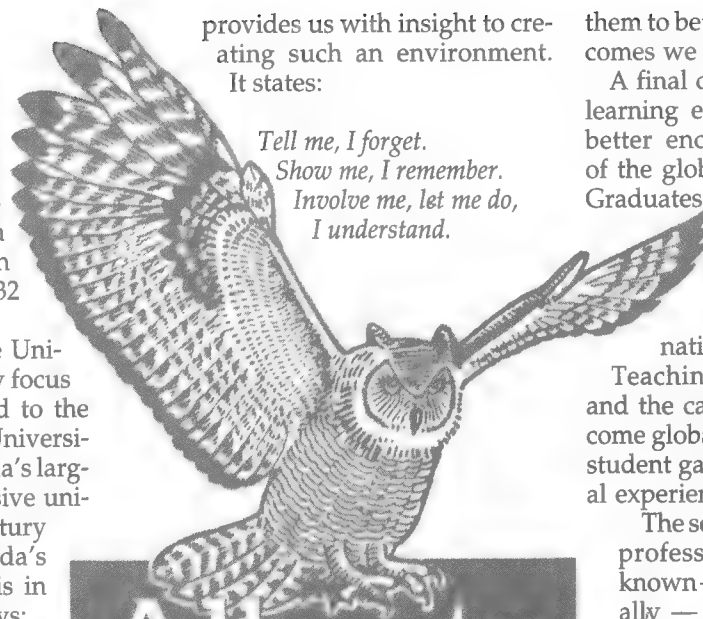
I want our students to feel confident and proud about the merit of their degrees — degrees that will be acknowledged and respected, across the country, the continent, and throughout the world for both their quality and their value.

In order to accomplish this, we must work together to create what I call an "optimal learning environment" — an environment that fosters critical thinking, independent judgment, written and oral communication skills, and knowledge in a specific area of human or scientific endeavour. It must also be an environment that facilitates and celebrates the development of the whole person. Moreover, this learning environment must be constructed in the context of a complex world that has diverse value systems and increasing interdependence, one in which students face a career of several job changes.

I believe that an old Chinese proverb

provides us with insight to creating such an environment. It states:

*Tell me, I forget.
Show me, I remember.
Involve me, let me do,
I understand.*



**Alberta
Bound**

PRESIDENT'S INSTALLATION 1995
UNIVERSITY OF ALBERTA

Whether it is through Socratic debate, industrial internships, student study teams, or the harnessing of new information and telecommunications technology, every student at the University of Alberta should be challenged to "be involved," to "do" so that they will "understand" forever.

Through this approach and others, we must discover ways of better unleashing the creative and entrepreneurial talents of our students. They will live and work in a world in which large institutions become less important as employers. And, conversely, self-employment and employment in small- and medium-sized firms will continue to grow sharply.

To assist us in these tasks, we must couple the best components of the traditional methods of learning with the most innovative uses of information technology, whose rapid development seems likely to have an impact on universities and on learning as great as that of the introduction of the Gutenberg Press in the mid-1400s!

We must aggressively explore these new technologies in order to exploit

them to better achieve the learning outcomes we desire.

A final characteristic of this optimal learning environment is that it must better encompass an understanding of the global world in which we live. Graduates of the University of Alberta must be able to cope with the economic, cultural, social and political realities of an international society.

Teaching and learning programs and the campus community must become global in perspective so that each student gains a significant international experience.

The second aspect of my vision is a professorate made up of people known — nationally and internationally — as leaders in their areas of research, scholarship, and creativity: leaders who are creating, integrating, transmitting and applying new knowledge.

Through our research and scholarship, we will help produce the new ideas, products, processes and services that will both provide the foundations of a productive Canadian society, and also enhance the social and cultural environment in which we will live.

We have done superbly well in Alberta with our resource-based economy. But we now need to enhance that advantage by increasing the efforts directed towards the new economy, the economy that is increasingly centred on knowledge and the exchange of information. Our University researchers will play a key role in this effort.

Starting as one of Canada's largest universities, with a number of research areas that are already amongst Canada's finest, we are extraordinarily well positioned to be a full and active partner in the economic growth and in the health and human development of Alberta and Canada today. At the same time, this very strength gives us the capacity to generate the new knowledge that will serve our grandchildren and great-grandchildren as they strive to solve the problems of their day.

And, finally, the third aspect of my vision depicts a university whose faculty, staff and, especially, students are active citizens of the society of which we are a part. We must expand our individual roles so that each of us con-

tributes directly through service to one or more of our communities, from local to international.

The importance of community service is something my Grandmother MacNaughton understood and believed in intensely. She gave selflessly of her time and energy to the United Farm Women of Alberta, and eventually served as one of its 14 directors.

One of my most valued possessions is the briefcase she used as a director. Perhaps it was because she risked to serve at a time when it was unusual for women to lead, that I cherish this symbol of her service. I used it every day until just a few years ago. It is still a symbol to me of the importance of service to one's community.

And so, as we proceed through this decade and prepare to move into the 21st century, times that will most certainly be characterized by turbulence and enormous change, I believe there will be a major sorting out of universities. Only a handful will emerge from the fray as strong, full-service, research-intensive universities.

It is my vision that the University of Alberta will be one of these. It will be viewed universally and indisputably as one of Canada's best universities.

What then must we do to get from here to there? What will our strategies be?

First and foremost, we must have a relentless focus on quality — creating a stimulating, productive, and supportive environment for all of our teaching, learning and research initiatives. This quality environment will not only help us attract and retain the very best minds, but will allow these minds to focus successfully on the unsolved mysteries and problems of our world.

Clearly, our most valuable resource is the individuals who make up our community — our students, our support staff, our faculty, and our alumni and friends. The quality of these individuals is absolutely and fundamentally tied to everything we do.

Secondly, we must monitor and assess our performance to know how well we are performing compared to our peers, compared to those national and international universities we wish to emulate and, most importantly, compared

to the goals to which we aspire.

Thirdly, we must work at better aligning our activities to the nature of the intellectual and practical problems we are facing as a society.

Solving many of the most pressing problems of today's world, such as environmental management, the alleviation of poverty and the prevention of violence, or global climate change, requires knowledge from a wide spectrum of disciplines. We must better engage those disciplines in collaboration, so that the critical thinking needed to understand these issues is successfully brought to bear.

For our fourth strategy, we must build a more responsive, less hierarchical management system to better and more quickly adapt to our changing circumstances. Our fifth strategy is selectivity. Even with the intellectual and economic wealth of Alberta and Albertans, we cannot be all things to all people. Keeping our relentless focus on quality, we must be more selective on how we allot our relatively scarce resources.

That leads us to our sixth strategy. We must become better at building new partnerships and enhancing existing ones. We must seek partners in Edmonton, throughout Alberta, across Canada, and around the world — partnerships amongst teaching scholars, amongst researchers, and amongst other educational institutions — partnerships with the private sector, with gov-

ernment, with alumni and with close friends.

I was fortunate to grow up in a family that enjoyed music. My mother and my three sisters all play the piano, and I love to sing. In my childhood, my family would gather Sunday evenings for a traditional singsong. Each member of the family would participate, each brought unique strengths, each contributed to the overall harmony.

It is this harmony that we wish to achieve here at the U of A. We must value the contributions of each individual member of the University community, clearly recognizing that each has a critical role to play in meeting our vision.

So that's it — six strategies as we move to fulfil our vision: a relentless focus on quality, the monitoring of performance, creative alignments, a responsive management system, selectivity, and partnerships. As we now move to implement our overall strategy, we do so on the sure premise, with the sure understanding that we are servants of our broader society: of our students, of Albertans, of Canadians, of culture, of citizenship, of knowledge. But, fundamentally, we are servants of truth: *Quaecumque vera*.

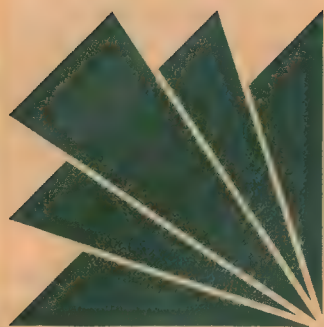
My grandfather knew what he was doing in 1905, when he was "Alberta Bound." I am grateful for his courage, wisdom and fortitude to follow his convictions — to abandon accounting for farming, for being "Alberta Bound." While he might have disagreed with some of my choices, he would not have any quarrel with my decision to return to Alberta. He, more than anyone, understood the draw of the prairies and the big sky.

Now, 90 years later, I am as convinced as he was that this is the place to be ... that this is the place where it is going to happen ... that, with the commitment of all of us who are "Alberta Bound," we will be successful in ensuring the University of Alberta will enter the next century as one of Canada's very finest universities.

Join me in meeting this challenge. Encourage others to join us in this effort. Together we can make it happen. Together we will make it happen.



The installation of University of Alberta president Roderick Fraser on 20 January capped a week of festivities that found the president doing everything from cheering on the Bears' hockey and basketball teams, dancing on into the night, and attending a number of informal gatherings.



ALUMNI WALL OF RECOGNITION



Marjorie Bowker, '38 BA, '39 LLB, '91 LLD (Honorary), spent 17 years as a judge of the Family and Juvenile Courts of Alberta and was the initiator of the Family Court's Conciliation Services, a counselling initiative that has been copied by other jurisdictions in Canada and Australia. Since her retirement from the Court, she has gained national attention for her best-selling books on constitutional affairs and the Canada-U.S. Free Trade Agreement. A dedicated community volunteer, Dr Bowker was the first woman appointed to the governing board of the University of Alberta Hospitals. She has received honorary degrees from three universities and in 1990 was inducted into the Order of Canada.



Patrick Doyle, '47 BA, '49 MD is recognized internationally as a leader in the area of otolaryngology (anatomy, function and diseases of the ear, nose and throat). In 1982 he performed the first cochlear implant surgery in Canada, enabling a young woman who had been totally deaf to hear environmental sounds, understand speech, and even talk on the telephone. A professor emeritus of the University of British Columbia, in 1988 Dr Doyle became the first Canadian to serve as president of the American Board of Otolaryngology. In 1994 he became president of the Triological Society, a prestigious organization for practitioners in his medical specialty.



John Hagan, '71 MA, '74 PhD, is one of the world's leading criminologists and a former president of the American Society of Criminology. His contributions to the study of the sociology of crime and the law include a unique theoretical model that helps explain gender differences in delinquency. An award-winning teacher at the University of Toronto, he recently accepted the W. Grant Dahlstrom Chair in Sociology at the University of North Carolina at Chapel Hill. The author of 10 books, Dr Hagan served as a member of the Canadian Bar Association's Task Force on Gender Equality in the Legal Profession and is a fellow of the Royal Society of Canada.



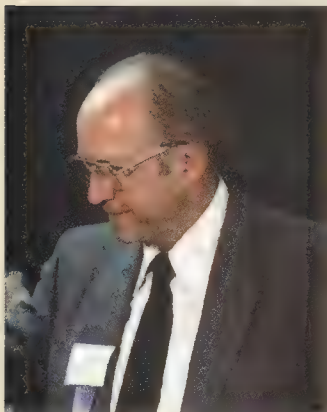
Jay D. Hair, '75 PhD, is a recognized leader in the environmental movement worldwide. He is the president and CEO of the National Wildlife Federation, the world's largest environmental education organization, and in 1994 was elected to a three-year term as president of the IUCN (the World Conservation Union), a global network of scientists and conservation professionals. A gifted communicator, he has written and spoken extensively on environmental issues and co-chairs a sector of U.S. President Bill Clinton's Council on Sustainable Development. Dr Hair's many honors include the Wirth Environmental Award of the U.S. National Park Foundation and two honorary doctoral degrees.

The University of Alberta Alumni Association is proud to announce the Alumni Wall of Recognition inductees for 1995.

On Wednesday, 15 February 1995, eight distinguished graduates of the University were inducted to the Alumni Wall of Recognition at the University. Located in the recently-renovated Students' Union Building on campus, the Wall is a joint initiative of the Alumni Association and the University's Students' Union. It recognizes the important contributions that University of Alberta alumni have made to their professions and to society. In so doing, it serves as an inspiration to the University of Alberta students who will be the alumni of the future.



Alumni Association president Jim Beckett (right) speaks with former prime minister Joe Clark. A 1994 inductee to the Wall, Clark was the featured speaker at the dinner honoring this year's eight inductees.



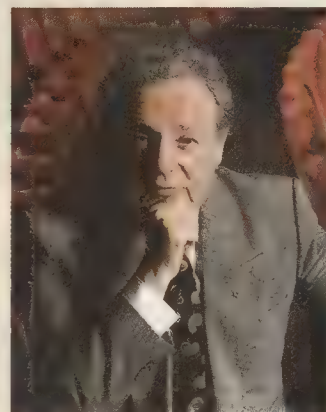
Egerton King, '43 BSc(Eng), '91 DSc (Honorary), retired as president and CEO of Canadian Utilities Ltd. in 1984, following a 28-year career with CU. He became the company's general manager in 1966, and when the CU member companies (these include Alberta Power, Northwestern Utilities and Canadian Western Natural Gas Company) came together under group management, he became president of each of them, as well. In 1977 Mr King was also named chairman of Echo Bay Mines Ltd. He has served on numerous corporate boards, is a former chair of the board of the University of Alberta Hospitals, and is a past president of the Edmonton Chamber of Commerce.



Roland Michener, '20 BA, '67 LLD (Honorary), was named governor general of Canada in 1967, having previously served as our country's high commissioner to India. After graduating from the U of A, he studied at Oxford University as a Rhodes Scholar and began a practice of law in Toronto on his return to Canada. He served three terms as a federal member of parliament and five years as speaker of the House of Commons. During his lifetime, Mr Michener, who died in 1991, received numerous honors and awards, including honorary degrees from 19 universities. A spokesperson and symbol for physical fitness, at the age of 82 he scaled the 2,600-metre Alberta mountain named in his honor.



John Poole, '37 BSc(Eng), '87 LLD (Honorary), and his brother built Poole Construction, founded by their father, into one of Canada's major contractors. Along the way, the company set new and positive standards for staff and labor relations. Mr Poole is also a founding shareholder of the Oxford Development Group and a tireless supporter of the community. He is a benefactor of charities and institutions such as the Provincial Museum of Alberta, the Citadel Theatre, the United Way, the Salvation Army, and the Edmonton Community Foundation. At the University, he and his brother endowed the Ernest E. and Gertrude Poole Chair in Management for Engineers and fund the Poole Eminent Lecture Series.



Joseph Shocter, '45 BA, '48 LLD, '81 LLD (Honorary), founded Edmonton's Citadel Theatre, now an important Canadian cultural institution, and he continues to serve the Theatre as its executive producer and chair of the board. A practising lawyer and civic leader, he was a founder of the Edmonton Eskimo Football Club, is a leader in the Canadian Jewish community, and headed numerous initiatives to enhance downtown Edmonton. For his contributions to the community Mr Shocter has received honors that include the Great Canadian Award and a Prime Minister's Medal from the State of Israel. He was named a member of the Order of Canada in 1978 and later elevated to officer status.

Four Collect Major Alumni Association Scholarships

University of Alberta graduates frequently go on to become leaders in their fields of study, their professions and their communities. Each year the Alumni Association sponsors awards that recognize undergraduate students who participate in the artistic, cultural, athletic and political life of the University while also maintaining first-class academic standing.

The four recipients of this year's awards will be among the students recognized at the Students' Union's Awards Night on 31 March. **Christina Andrews, '86 MLS**, an Alumni Association representative to the Senate, will be on hand to present these outstanding students with their Alumni Association scholarships.

Both Reginald Charles Lister Memorial Scholarship recipients have taken circuitous paths to arrive at their current vocations. **Silvia Yee, '89 LLB**, practised law before returning to the University to pursue her love of the flute. Now in the final year of a music degree, she performs with numerous musical groups, works for the Health Law Institute on campus and is very active in the Edmonton Chinese Alliance Church.

Third-year student Sonia Sobon is a trained fashion designer studying textiles,

clothing and culture in the Department of Human Ecology. A successful entrepreneur, artist and social activist, she is the executive director of the society for Public Awareness of Sexual Stereotyping and Pornography and an active member of Amnesty International. On campus, she has contributed to the Bridges project of the International Centre, and participated in the Ukrainian Students' Association.

The winner of the Alumni 75th Anniversary Scholarship winner is Kevin Book, a third-year mathematics major. Kevin has been involved with community athletics and with Boy Scouts of Canada, and is extremely active on campus: as vice-president of Kappa Sigma fraternity, as an intramural athlete, and as a volunteer for various student activities.

Maimie S. Simpson Memorial Scholarship winner Bonnie Commandeur is a first-year law student who works for Student Legal Services. She has volunteered as an orientation leader with Students Orientation Services, and served as a member of the Commerce Internship Association while she was a business student. She has been extensively involved with Girl Guides and Boy Scouts of Canada as both a participant and leader, and with community athletics as a swimming instructor.

Applications for next year's major Alumni Association scholarships will be accepted beginning in September.

1995 Class Reunions

The Alumni Association is happy to assist individual classes in organizing special events during the homecoming activities of Reunion Weekend or reunions at other times. The following classes are currently planning reunions:

Class/Place/Date/Contract:

- '25 **Grad Class** Edmonton/Reunion Weekend/Alumni Office
- '35 **Grad Class** Edmonton/Reunion Weekend/Lois McCalla
- '45 **Grad Class** Edmonton/Reunion Weekend/Alumni Office
- '45 **Agriculture** Edmonton/Reunion Weekend/Stu Robblee
- '45 **Commerce** Edmonton/Reunion Weekend/Dorothy Bussard
- '45 **Education** Edmonton/Reunion Weekend/TBA
- '45 **Engineering** Edmonton/Reunion Weekend/Jack Longworth
- '45 **Home Ec** Edmonton/Reunion Weekend/Muriel Shortread
- '45 **Dip Nursing** Edmonton/Reunion Weekend/Arlene Hanna
- '45 & '46 **Medicine** Calgary/September 7/E.G. Kidd & L. Grisdale
- '50 **Agriculture** Edmonton/Reunion Weekend/Alf Petersen
- '55 **Grad Class** Edmonton/Reunion Weekend/Alumni Office
- '55 **Agriculture** Edmonton/Reunion Weekend/Jacob Ens
- '55 **Civil Engineering** Edmonton/Reunion Weekend/Bill Weir
- '55 **Commerce** Edmonton/Reunion Weekend/Denis Horne
- '55 **Education** Edmonton/Reunion Weekend/TBA
- '55 **Medicine** Calgary/September 7/John Hantho
- '55 **Home Economics** Edmonton/Reunion Weekend/Nola Deane
- '55 **Dip Nursing (Jan)** Edmonton/June 23-25/Evelyn Abbott
- '55 **Law** Edmonton/Reunion Weekend/Jack Allford
- '55 **Pharmacy** Edmonton/Reunion Weekend/Bob Edgar
- '55 **Phys Ed** Edmonton/Reunion Weekend/Gladys Saunders
- '70 **Grad Class** Edmonton/Reunion Weekend/Alumni Office
- '70 **Agriculture** Jumpin Pound, AB/August 24-27/Delbert Zelmer
- '70 **Chem Engineering** TBA/TBA/Roger Stuber
- '70 **Dentistry** Jasper/May 25-28/Guy Parrott
- '70 **Home Ec** Edmonton/Reunion Weekend/M. Parris & D. Al-Adra
- '70 **Law** Edmonton/Reunion Weekend/Lloyd Malin
- '70 **Mech Eng** Edmonton/Reunion Weekend/Daryl Martin
- '70 **Medicine** Calgary & Kananaskis/Sept 7, 8, 9/John Gillespie
- '70 **Occup Therapy** Edmonton/Reunion Weekend/C. Montgomery
- '70 **Pharmacy** Edmonton/Reunion Weekend/Jennifer Peddlesden
- '74 **Occup Therapy (Dip)** Edmonton/May 26/Joyce Magill-Evans
- '75 **Medicine** Banff (Rimrock)/August 4,5,6/Kirk Barber
- '80 **Medicine** Kananaskis/June 30 to July 2/Brian Guspie

Some locations and dates are tentative. Should you require information about the reunions noted, or if you wish to organize a reunion for a class or group not listed, please contact Coleen Graham in the Office of Alumni Affairs at (403) 492-3224.

Host Program Volunteers Needed...

Share your culture and learn about someone else's.



The University of Alberta's Host Program is an opportunity for University of Alberta foreign students and volunteer hosts to get to know one another. The Host Program is not a home stay program; rather, hosts and students meet informally as often as they wish to share a meal, watch a film or talk over a cup of coffee.

Help a foreign student learn more about Canadian culture and receive an education not available within the classroom.

For more information on how you can become involved contact: Coleen Graham, Office of Alumni Affairs, 450 Athabasca Hall, 492-3224

Attention all alumni and friends of the University of Alberta Mixed Chorus!

The UAMC Alumni Association is now taking orders for **Fifty Golden Years of the University of Alberta Mixed Chorus**, a double CD Collector's Album with over two hours of Mixed Chorus music from original recordings plus the 50th Anniversary Cantata. This is a one time opportunity - order now! Order deadline is April 12. Cost is \$34.95 for UAMC alumni members and \$39.95 for non-members.

Please make cheques payable to the **Mixed Chorus Alumni Association**
4th Floor, Athabasca Hall
University of Alberta
Edmonton, AB T6G 2E8.

For more information, contact the Alumni Office at (403) 492-3224.



Association Calendar

Branches

Chicago

27 April 1995 Ninth Annual All Canadian Universities Cocktail Reception
University Club of Chicago / 5:30 pm
Speaker: Dr Robin H. Farquhar, President, Carleton University
\$20 per person

Washington, DC

29 April 1995 Nineteenth Annual All Canadian Universities Dinner
Holiday Inn in Gaithersburg, Maryland
6:00 pm No-Host Reception, 7:30 pm Dinner
Speaker: Jeffrey Simpson, National Political Affairs Correspondent for
The Globe & Mail
\$38 per person
For more information call Dr Shirley Hopkinson at (202) 832-8676.

Victoria

6 May 1995 Annual Spring Meeting
Royal Colwood Golf & Country Club
11:30 am Reception, 12:30 pm Luncheon
Speaker: Dr Roderick D. Fraser, president of the University of Alberta
\$18 per person
For more information please call Don Sampson at (604) 479-0860

Red Deer

27 April 1995 Alumni Reception
Speaker: Dr Roderick D. Fraser, president of the University of Alberta
Please watch your mail for further details

Toronto

27 April 1995 Evening with the North York Symphony
\$20 per person
RSVP by 14 April 1995.

28 June 1995 Barbecue and Fireworks Display
Royal Canadian Yacht Club
\$25 per person

23 August/17 September 1995 Horse Races at Woodbine
Approximately \$35 per person (includes buffet supper and parking)

22 October 1995 Annual Meeting and Lunch
Royal Ontario Museum / 11:30 am
Speaker: John Ferguson, Chair, University of Alberta Board of Governors
\$26 per person (\$32 with tour of Museum)

10 November 1995 The Royal Winter Fair / Reception
\$35 per person (includes cocktail reception, entry into the horse show and agricultural display)

Please call the Toronto Branch Information Line at (416) 483-8818 for further information on any of the above Toronto branch events.

Other

Alumni Association's Annual General Meeting

11 May 1995
Alumni House / 5:00 pm

Convocation Brunch for Nursing Graduates and Alumni

12 June 1995
Petroleum Club / 8:30 am

For further information about Alumni Association branch events or Constituent Alumni Associations, please contact Elke Christianson in the Office of Alumni Affairs. In Edmonton phone 492-0117; toll free in Canada 1-800-661-2593.

1995 Discovery Adventures University of Alberta Alumni Association



Three Great Rivers of Europe

July 3 to July 16

\$5161*

Cruise the classic waterways of Europe in one continuous journey along the Rhine-Main-Danube Canal, which was opened in the fall of 1992. With an exclusively-chartered river vessel you will cruise through Germany and Austria, experiencing first-hand the cultural and historical diversity that has made Europe a popular and enduring destination.

Midnight Sun Express and Alaska Passage

August 17 to 19

\$4355*

This journey combines the excitement of crossing the vast interior plains of Alaska aboard the Midnight Sun Express train with the elegance of cruising on the Crown princess. On deck you will see lush coastlines, fjords, glaciers, and quaint fishing villages as you sail along the Alaska Passage from Anchorage to Vancouver.

Mediterranean Air/Sea Cruise

August 28 to September 10

\$4267*

Travelling in comfort aboard the Pacific Princess you will cruise the classic seas and visit 10 renowned ports of call. This journey will take you back in time from the cosmopolitan luxuries of Spain, the French Riviera and Italy to the mysteries of antiquity in Greece and Turkey.

Historic Cities and Countryside of France

October 12 to 23

\$4777*

This journey combines the sophistication of Paris with the charm of Provence and the Carmargue Region. After the sites and scenes of Paris you will be whisked away to the south of France in the TGV Bullet Train. There you will explore the regional sites and charming countryside along with the Riviera's most exciting port, Cannes. Travellers will be joined by a University of Alberta French professor, Dr Vivien Bosley, who will provide lectures on the local history and culture. You won't want to miss this exclusive and in-depth exploration of France.

For more information about these exciting travel opportunities, contact Coleen Graham in the Office of Alumni Affairs. In Edmonton phone 492-3224. Toll-free in Canada 1-800-661-2593.

*Prices shown may be subject to change and are the lowest available from Edmonton, based on a per-person double-occupancy rate.

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University of Alberta

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University Crested Brass Lamp

Cast in solid brass and topped with a black parchment shade, this heirloom quality lamp makes an elegant home or office furnishing. The University crest beautifully finished in gold and antique black sets off this striking accent piece. \$349.00 plus tax and shipping.



Colibri Pen

A green lacquer finish and burnished gold trim make this slim profile pen truly distinctive. Permanently mounted to the pen clip is a richly detailed University crest of sterling silver with 24k buffed gold finish. \$94.95 plus tax and shipping.



Bulova Accutron Watch

A richly detailed relief of the University crest incised into a solid silver and 18k gold plated face, makes this sleek watch a striking symbol of pride in your alma mater.

Personal Registration Form

Please accept my order for the following:

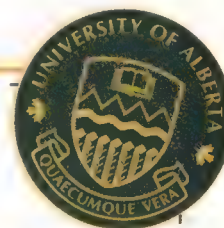
item	quantity	price each	total
Brass Lamp		\$ 349.00	
Mens' Accutron Watch		\$ 299.00	
Ladies' Accutron Watch		\$ 299.00	
Colibri Pen		\$ 94.95	
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Canadian:	Lamp	\$29.75	
	Watch	\$11.50	
	Pen	\$11.50	
US & Overseas: call or fax the Office of Alumni Affairs for shipping rates			
Provincial Sales Tax: To product cost, shipping and handling, add: 8% for Ontario residents, 7% for BC and Manitoba residents and 9% for Saskatchewan residents			
GST: add 7%			
total order			

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Signature _____ Expiry Date _____

Five Honored on Sports Wall of Fame

The men and women honored each year on the Sports Wall of Fame are much more than celebrated athletes and coaches. Although many are alumni who brought glory to Green and Gold athletics, what they all share is a lifelong dedication to sport and the community.

This year's inductees, honored on 15 March at the 10th annual Sports Wall of Fame dinner, acquired qualities as athletes that have abetted their success in all of their diverse pursuits.

As a Golden Bears hockey and football player, **Harry Hobbs, '49 BA**, earned a Block A award for his contributions to the winning ways of these two teams: he helped them win six conference titles in three consecutive years — an achievement still unequalled.

Also unique was Hobbs' status as both a varsity and professional football player. He commuted to Calgary to play for the CFL Stampeders in 1946 whenever his Golden Bears' schedule allowed. After graduating with a degree in economics, he played two seasons with the Edmonton Eskimos.

Since graduation, Hobbs has applied his athletic and administrative talents as a director of junior curling and football, as a high school coach, and as a Canadian Seniors Golf Association governor. Before becoming chair and CEO of AGT in 1983, he held various positions in Peter Lougheed's government.

Like Hobbs, **Harry Irving** excelled as a junior athlete in Calgary, playing basketball, football and baseball.

As a U of A student, Irving became known as a "triple threat," in more than one sense. He was a winning quarterback, equally adept at running, passing or kicking the ball. And he earned his Block A award by playing on three different varsity teams: the undefeated football teams of 1947 and 1948, the western-championship-winning basketball team of 1947, and the 1948 hockey team that won the Halpenny Trophy. After completing the University football



The 1995 Sports Wall of Fame inductees are (left to right): Doreen Ryan, Harry Irving, Ed Zemrau, Harry Hobbs, and Brenda Walsh-Smith.

season, Irving won a Grey Cup ring in 1948 with the Calgary Stampeders.

Irving transferred to McGill in 1949 and completed a BA in 1951. He returned to Calgary to build a career as president of Irving Enterprises and director of several affiliated companies, and earned an MA from the University of Calgary in 1977.

Through his contributions as a director of the Calgary Stampeders, as a competitive polo and golf player, and as a coach and administrator for junior football, Irving has continued to demonstrate a dedication to athletics.

Doreen Ryan, '73 BEd, '83 Dip(Ed), arrived at the U of A already a champion, having represented Canada in the 1960 and 1964 Olympics and 1964 World Championships as a speedskater.

Also an accomplished softball, basketball, and track and field athlete, she was named Athlete of the Year for 1960 by her native Edmonton, and the province followed with the Alberta Sportswoman of the Year award in 1964.

After obtaining a BEd in 1973, Ryan proved herself as

versatile professionally as she was athletically by doing everything from directing a language arts program to becoming a physical education consultant for the Edmonton Catholic School Board. She returned to campus and earned a graduate diploma in education in 1983 and has become a respected teacher educator.

Ryan has helped send Canadian teams to various Olympic, World University and Pan-American Games and is a vice-president of the Canadian Commonwealth Games Foundation. She has been inducted into the Sports Halls of Fame of Edmonton and Alberta, as well as those maintained by Alberta Softball and Canadian Speedskating.

Junior high school teacher **Brenda Walsh-Smith, '74 BPE, '75 Dip(Ed)**, was not much older than her current students when she started burning up the track as a sprinter. While a U of A student in the early '70s she was a prominent presence at national and international track meets. Injury prevented her from competing in the 1972 Munich Olympics, but she won the 400 m event at the U.S.A.

indoor championships that same year.

Walsh-Smith held several Canadian sprint records, and on home turf at the Canada West Championships in 1973 hit the zenith of her athletic career by equalling the indoor world record in the 300m race. That year the University awarded her the Bakewell Trophy honoring the outstanding female athlete on campus.

As the former head of physical education and now head of counselling at Kenilworth Junior High, she has coached volleyball and track teams to 12 city championships. Her truly remarkable international achievements and her contributions to local sport serve as an inspiration to all the young men and women she encounters.

Although not an alumnus of the U of A, **Ed Zemrau** has been instrumental in building the University athletics program. A talented hockey player who earned a scholarship to the University of Denver and spent two years in the NHL, he found his true calling in sports administration.

He joined the University as assistant to the dean of Physical Education in 1960, becoming head of the athletics department in 1976.

In 1970, he raised Edmonton's profile as a venue for world-class athletic competition by bringing the World Wrestling Championship to the city. This coup was followed by his instrumental role in bringing the 1983 World University Games to Edmonton.

He was the president of the organizing committee for Universiade '83, an athletic and financial triumph—the games turned a profit and Universiade athletic scholarships at the U of A are legacies of that success.

Zemrau has been a consultant to organizing committees for Olympic, World University and Pan-American Games. His long list of community involvements and awards of recognition include an extremely rare Honorary Block A award, which puts Zemrau in league with the former U of A varsity athletes on the Sports Wall of Fame.

Bob Peterson

'27

Mabel Chappel (Nix), BA, wrote earlier this year to report that she was in the midst of moving from Redlands to Ojai, California, where she will be nearer to her daughter and son-in-law. Mabel notes that the Nix and Chappel families held a joint reunion in August 1993 at Lake Tahoe, which straddles the California-Nevada border. At that reunion, the families of **Charles Nix**, '31 BSc(Eng), **Nelson Nix**, '38 BSc, '41 MD, and **Ernest Nix**, '44 BA, '54 BDiv, were all well represented, she reports.

'42

Sidney Slen, BA, '43 BSc(Ag), is retired in Lethbridge but is still active in the livestock industry as a consultant to McIntyre Ranching Co. Sidney writes that he enjoys ski trips to Big Mountain in Whitefish, Montana.

'43

Kenneth Penley, Dip(Pharm), of Calgary was awarded a Certificate of Recognition from the Canadian Pharmaceutical Association at its annual meet-

ing in Charlottetown, P.E.I. last year. Kenneth, the owner of a pharmacy for 40 years, was cited for his work as chair of the project which published *The History of Pharmacy in Alberta*. The book traces the development of the profession from the North West Territories Pharmacy Act of 1892 to the biotechnology trends of the 1990s.

'44

Marshall Grant, BSc(Ag), '46 MSc, recently moved from Lethbridge to Victoria. He has been retired from Canada Agriculture since 1981.

'47

Marguerite Leng (Lambert), BSc, of Midland, Michigan, retired in 1990 after a 27-year career with Dow Chemical. Marguerite, who earned a PhD from Purdue U in 1956, is a national councillor of the American Chemical Society and vice-chair of the board of directors of the American Institute of Chemists. She enjoys curling, sailing and travelling and reports that she and her husband have three

children and a total of eight grandchildren.

'48

Donald Cameron, BSc(Pharm), was recently honored with a Certificate of Recognition from the Canadian Pharmaceutical Association at its 1994 annual conference in Charlottetown, P.E.I. Donald is a former president and registrar for the Alberta Pharmaceutical Association and was instrumental in the publication of *The History of Pharmacy in Alberta*, a chronicle of the profession from 1892 to the present.

'50

Michael Kostek, Dip(Ed), '50 BEd, has been honored for his 41-year career as an educator with Edmonton Public Schools with a new West Edmonton elementary school in his name. Currently an archivist and historian, Michael has previously been a teacher, consultant, director and assistant to the superintendent for Edmonton Public Schools. He also served a stint as principal of the NATO International School in Holland. In recognition of his long and distinguished career, Michael received the Alberta Achievement Award for Excellence in Education in 1984. Michael recently worked on the publication of an "updated and enriched" history of the Edmonton Public Schools titled, *A Century and Ten*.

'51

Lloyd Pearce, BEd, of Edmonton retired in 1987 after 36 years as an educator and educational consultant, the last 34 of those years spent with Edmonton Public Schools. Lloyd works part time writing and implementing science and field study programs and activities for various schools and organizations in the Edmonton area. He reports that two major projects have involved the preparation and implementing of a teaching unit on wetland environments for the Ducks Unlimited organization and a nature trail program for Chickakoo Lake in the County of Parkland.

'55

Margaret Loggie, BA, '60 MA,

has settled in Oaxaca in southwestern Mexico after a career with the Department of External Affairs that took her to exotic postings such as Beirut and Mexico City. Margaret, who is married to a Mexican physicist, reports that she is involved in a home that cares for orphaned and abandoned indigenous Mexican children.

'59

Robert Plank, BSc(Ag), '61 MSc, recently retired to Kelowna, B.C. after more than three decades with Farm Credit Corporation. During his 32-year career with the company, Robert was a credit advisor in Alberta, assistant regional manager in B.C. and head of statistical services at Farm Credit's head office. "The highlight of my working life was a month (November, 1993) spent in a semi-autonomous republic of Russia, investigating the workings of a state farm and the republic's Ministry of Agriculture ... truly a memorable experience."

'62

Paul Cantor, BA, has been appointed one of the corporate directors of First Marathon Inc., a financial services company. Since 1993 Paul has been president and CEO of Confederation Life Insurance Co. Previously, he spent 16 years with CIBC, where the last position he held was president of investment banking.

David Olson, MEd, '63 PhD, was recently elected a Fellow of the Royal Society of Canada for his work in the field of cognition and literacy. His most recent book on that topic, *The World On Paper*, was published by Cambridge U Press in 1994. He is now working out of the Centre for Applied Cognitive Science at the Ontario Institute for Studies in Education in Toronto.

Bruce Rawson, LLB, is now vice-chairman of Government Policy Consultants, an Ottawa-based public policy, government relations and strategic communications consulting firm. For the past 23 years he has been a deputy minister at both federal and provincial levels of government, including responsibilities in the

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federal departments of Fisheries and Oceans, Western Economic Diversification, Indian Affairs and Northern Development, and National Health and Welfare.

William Warren, LLB, who practises law in the Calgary firm Warren Tettensor, currently serves as the president of the Canadian Olympic Association. A vice-president of the association since 1989, Bill was instrumental in Calgary's successful bid for the 1988 Olympics and also served as *chef de mission* of the Canadian contingent that participated in the 1994 Winter Olympics at Lillehammer.

'63

Bernard Churchill, MD, wrote earlier this year to report that he expected to take up residence in Los Angeles by 1 February 1995 to accept a position as professor of surgery/urology and chief of the division of pediatric urology at the UCLA Medical Center. Previously, Bernard was chief of the division of urology at the Hospital for Sick Children in Toronto.

'64

Stanley Gooch, BA, '66 MA, was appointed high commissioner to the Republic of India

and ambassador to the Kingdom of Nepal last year. Stanley has been with the Department of Foreign Affairs since 1966, most recently as assistant deputy minister for the Latin America and Caribbean branch of the department. He previously served the Foreign Affairs department abroad in Buenos Aires, Belgrade and Vienna and is a former ambassador to Costa Rica.

Bill McPhee, BSc(Eng), is now vice-president marketing for ATCOR Resources Ltd. in Calgary. Bill has 29 years of service with the ATCO group of companies, and has been at

ATCOR since 1982.

'65

Ellen Mesbur, BA, was recently reappointed for another five-year term as director of the School of Social Work at Ryerson Polytechnic U in Toronto. **Robert Weir**, PhD, received the Outstanding Leadership to the Alberta Science and Technology Community Award from the Alberta Research Council this past October. Robert is senior vice-president of Sherritt Inc. and president of its subsidiary company Westaim, a cooperative science and technology initiative of Sherritt and

In Memoriam

The Alumni Association has noted with sorrow the passing of the following graduates:

Arthur Earl Walker '26 BA, '30 MD, '52 LLD(Honorary), of Albuquerque, New Mexico in January 1995

Aylmer John Liesemer '27 BA, '29 MA, of Calgary in January 1995

Darcy Drummond Morris '28 BSc(Eng), of Vancouver in November 1994

Phyllis Cecily Sutherland (O'Donnell) '29 BA, '58 BEd, of Edmonton in January 1995

James Allan Campbell '30 BSc, '34 MSc, of Edmonton in November 1994

John Joseph Lehan '31 BSc(Ag), of Calgary in November 1994

Arthur David Sketchley '31 BA, of Calgary in March 1994

Ann Elizabeth Byron (Dickson) '32 Dip(Nu), of Edmonton in December 1994

Shirley Guy Preston '32 MSc, '36 MSc, of Victoria in September 1993

Jack Hughes '33 BA, '45 MA, of Edmonton in November 1994

George Wilbert Thomson '33 BSc(Pharm), of Courtenay, B.C. in August 1994

Mary Audrey Davidson (Dean) '34 BSc(HEC), of Lethbridge, Alberta in January 1995

James Allan Murray '34 BSc(Ag), '36 MSc, of Ottawa in October 1994

Arthur William Eriksson '38 BSc(Ag), of Edmonton in November 1994

Jessie Lydia Heath (Carmichael) '38 BA, of Toronto in November 1994

Winona Eleanor Davis (Turner) '40 Dip(Pharm), of Edmonton in November 1994

Kenneth Edmund Glen '40 BSc, '49 BEd, of Edmonton in January 1995

John Andrew Williams '41 BCom, of Lethbridge, Alberta in December 1994

Russell Allan Wendt '42 BA, '48 MA, of Nepean, Ontario in November 1994

Earle Hugh Murray '43 BSc(Eng), of Victoria in January 1995

John Duncan MacDonald '44 BA, of Edmonton in January 1995

Alexander John Pyrch '46 BSc(Ag), of Victoria in December 1994

David John Horne '47 BSc, of Calgary in November 1994

John Ernest Duchak '48 BEd, '49 MEd, of Chilliwack, B.C. in November 1994

Ansel Garfin '48 BSc(Eng), of Willowdale, Ontario in December 1994

Charles Amos Jenkins '48 BEd, of Victoria in November 1994

Ralph Lewis McCall '48 BEd, '56 MEd, of Airdrie, Alberta in January 1995

Walter Kenneth Zinter '48 BSc(Ag), of Salmon Arm, B.C. in November 1994

Herbert Harold Allan '49 BEd, of Calgary in October 1994

Daniel Hubert LeFebvre '49 BEd, of Clarence Creek, Ontario in July 1994

Albert William Riddell '49 BSc, of Victoria in September 1994

Olaf Stanley Swaren '49 BEd, of Ottawa in July 1994

George Lewis Davies '50 BEd, of Edmonton in December 1994

Esther Kreisel '50 BA, '69 BLS, of Edmonton in November 1994

Nils Kvisle '50 BEd of Innisfail, Alberta in November 1994

Sidney Levine '50 BSc, '52 MSc, of Oakland, California in December 1994

Wallace James Pigden '50 MSc, of Ottawa in November 1994

Edward Dixon '51 BSc(Ag), of Edmonton in January 1995

John Allison Parfett '51 BSc(Ag), of Calgary in November 1994

Ernest Hugh Walter '51 Dip(Ed), of St. Albert in January 1995

Doris Eileen Boyar (Holmes) '52 Dip(Nu), of Calgary in August 1993

Harold August Hansen '52 BSc(Ag), '54 MSc, of New York in September 1994

Frances Spasiuk (Rarog) '52 Dip(Ed), of Glendon, Alberta in February 1994

Cyril Stephenson Mossop '53 Dip(Ed), of Victoria in November 1994

Ronald Earl Jordan '54 DDS, '92 LLD(Honorary), of London, Ontario in November 1994

Valentin Knut Roos '54 BEd, '73 BDiv, of Edmonton in December 1994

Doris Edith Perry (Cinnamon) '56 Dip(Nu), '57 BSc(Nu), of Sidney, B.C. in December 1994

Lorena Mary Blackwood (Hodgson) '57 BA, of Edmonton in June 1994

Robert Franklin Clark '57 MD, of Edmonton in January 1995

Oliver Paul Erdos '57 BSc(Eng), of Lethbridge in December 1994

Hugh Grant Willis '58 BCom, of Edmonton in December 1994

Leonard Klassen '59 MD, of Bigfork, Montana in December 1994

Elmer Ernest Roper '59 LLD(Honorary), of Victoria in November 1994

Morley George Stanway '60 BCom, of Spruce Grove, Alberta in November 1994

Douglas Lee Friese '62 BA, '66 Dip(Ed), '66 BEd, '68 MEd, of Sherwood Park, Alberta in January 1995

Shauna Margaret Murray-Lamont '62 BA, '67 MA, '73 PhD, of Preston, England in August 1993

John George Turnbull Davidson '63 BEd, of Edmonton in January 1995

Ming Fang Li '63 PhD, of Dartmouth, Nova Scotia in December 1993

Wallace Michael Pasika '63 PhD, of Sudbury, Ontario in February 1994

John Paton Patterson '63 BPE, '67 Dip(Ed), '68 MEd, of St. Albert in November 1994

Phillip Watts '64 MD, of Burnaby, B.C. in August 1994

Edward Lloyd Deutscher '65 MEd, of St. Albert, Alberta in January 1995

Wilbert Toombs '66 PhD, of Lloydminster, Alberta in October 1994

Jeanne Rougeau Cooper '67 BA, '74 BEd, '76 MEd, '86 PhD, of Victoria in December 1994

John George Fricke '68 BA, '87 PhD, of Edmonton in December 1994

Kathryn Agnes Brodie (Dandy) '69 Dip(Nu), '70 BSc(Nu), of Calgary in January 1995

Winona Eleanor Davis '70 Dip(Pharm), of Edmonton in November 1994

Lynn Everett Kealy '70 BA, '75 PhD, of Calgary in November 1994

Thomas Francis Lenihan '70 BA, '71 Dip(Ed), of Stony Plain, Alberta in December 1994

Louise Marie Baril '72 BA, of Roberts Creek, B.C. in November 1994

Sylvia Joan Scotvold '72 BEd, of Edmonton in December 1994

Robin McMasters Smith '72 BSc, of Saskatoon in December 1994

Victoria Jean Ford (Russell) '75 BEd, of Innisfail, Alberta in January 1995

Judith Ann Novlesky '75 BEd, of Vancouver in March 1994

Peter Joseph Davis '76 Dip(Ed), of Souris, P.E.I. in April 1994

Dennis Lorne Robinson '76 BEd, of Edmonton in December 1994

Terrance Ronald Sharon '77 BEd, of Innisfree, Alberta in November 1994

Kathleen Irene Dobson '80 BEd, '92 MEd, of Athabasca, Alberta in November 1994

Lois Edith Pichnej '80 BSc(OT), of Calgary in November 1994

Robert James Olson '82 BCom, '82 LLB, of Vancouver in December 1994

Dorothy Merle Mackie (Ursuliak) '83 BEd, '90 MEd, of Cobble Hill, B.C. in December 1994

William Leonard Pinsent '86 BSc, of Edmonton in December 1994

Alma Lydia Bartel Coffin '87 BSc(HEC), of Edmonton in January 1995

Terri Ann Thomas (Ewing) '87 BA, of Edmonton in January 1995

Janette Veronica Sheridan '91 Dip(Ed), of Winterburn, Alberta in November 1994

Robert Karl Weyer '94 BSc(Eng), of Edmonton in December 1994

the governments of Canada and Alberta. He is particularly well-known for his contributions to extractive metallurgy, a field in which he holds patents on 43 inventions.

'66

Joan Burton, BSc, resides in Newmarket, Ontario. She is now manager of health care initiatives for the Industrial Accident Prevention Association in Toronto.

'67

Bryun Sigfstead, DDS, '73 Dip(Dent), a member of the U of A Senate, is the current president of the Canadian Dental Association. Bryun is a former president of the Alberta Dental Association, the Alberta Orthodontic Society and the Western Canada Orthodontic Society as well as the past president of the U of A Alumni Association.

Carol Walley (Schmidt), Dip(Nu), '68 Dip(PHNu), '73 BSc(Nu), is the coordinator of the health promotion and prevention program at the West-Main Health Unit of the City of Vancouver's health department. She is currently working to establish a Vancouver chapter of CHADD (Children and Adults with Attention Deficit Disorders). She reports that she recently married Dr Roc Walley, longtime faculty member in the U of A Psychology Department.

Anne Wheeler, BSc, '90 LLD (Honorary), received an honorary doctorate from the University of Winnipeg at its fall 1994 convocation. She is a writer, director, performer and film producer and the author of a resource book on women's history.

'69

Bob Edwards, BCom, '78 MBA, received his Certified Health Executive accreditation last year from the Canadian College of Health Service Executives. Bob is associate director, administration of the Cross Cancer Institute in Edmonton. **Roma Newcombe (Plante)**, BED, '78 BA, of Edmonton, recently took an early retirement from her teaching career. She is now busy taking courses in painting, Spanish and bridge

and volunteering on the board of directors of the Central Lions Club.

William Stollery, BSc(Eng), of Burnaby, B.C., is the construction manager for Associated Engineering B.C. Ltd. on the GVRD secondary sewage project.

Alex Tod, MEd, of Sydney, Australia recently visited Alberta for the 25-year reunion of the '69 MEd(Admin) class. Out of the class of 40, 18 grads and their spouses attended events including a barbecue at the Devon, Alberta home of **Lowell Thordson**, '64 BEd, '66 Dip(Ed), '69 MEd, and a casual Sunday brunch. Alex describes the event as "another great success" and writes that plans for a 30-year reunion in 1999 are already underway.

'71

Maureen Davidson (Pritchard), BA, '73 BLS, and **Peter Davidson**, '80 BSc(Ag), recently returned to Cranbrook, B.C. after five years spent living in Fort St. John, B.C. Maureen hopes to continue part-time work as a librarian but is enjoying more time with their three children. Peter is a forest ecosystem specialist with the Ministry of the Environment.

'72

Patrick Parker, BEd, '76 BSc(Eng), is now the resident manager of the Espanola pulp and paper mill division of E.B. Eddy Forest Products Ltd. Patrick has worked in the forest industry for 15 years, most recently as the manager of maintenance at the Espanola mill in northern Ontario.

'73

Jeanne Watchuk, LLB, '72 BA, is a provincial court judge in Vancouver.

'74

Wayne Madden, BEd, is taking a year off from teaching in Fort McMurray Catholic Schools under a deferred salary leave plan. "I am using the year for travel, reading, writing and relaxation," writes Wayne. **Gary Willmott**, MEd, is the new director of the North Coast Institute of Technical and Further Education in Port Macquarie, Australia. The Institute

has 16 campuses stretching more than 700 kilometres along the coast of New South Wales. After obtaining his PhD from Flinders U in South Australia in 1986, Gary was appointed director of the Senior Secondary Assessment Board of South Australia, a position that he held from 1990 to 1994.

'75

Maureen Conlon (Lukenchuk), Dip(RehabMed), '81 BSc(OT), has lived in Australia for the past eight years. She completed a master's degree in health administration in 1988 and now works as an executive officer in the field of health care management in Adelaide, South Australia. Maureen is married with a six-year-old daughter. "Enjoying the lifestyle 'Down Under.'"

Paul Eagan, BPE, has been supply teaching for the York Region Board of Education in Markham, Ontario since 1982. A tour guide at SkyDome since 1990, Paul in 1992 became a part of the Toronto Blue Jays' ground crew, responsible for

preparing, maintaining and repairing the pitcher's mound. **Sheila McIntosh**, BLS, is now assistant vice-president, corporate communications for Canadian Pacific Ltd., based in Montreal. Previously, Sheila was director of investor and industry relations for Canadian Pacific.

Edward Sutton, BSc(Ag), '76 MSc(AnSci), of Vermillion, Alberta is the author of a dog training book titled *Boot Camp: Basic Training For Your Dog*, published by Detselig Enterprises Ltd. As well as heading E.I. Sutton Consulting Ltd., Ted has been a dog breeder and trainer for 25 years and has conducted numerous training clinics for dog owners throughout western Canada. He is a founding member of the Alberta Stockdog Association and an instructor of agricultural sciences at Lakeland College.

'76

Shirley Reynolds, MSc, lives in Vancouver, where she teaches chemistry at the B.C. Institute of Technology.

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'77

Catherine McGinley, BSc(PT), was honored in 1994 with the Enid Graham Memorial Award from the Canadian Physiotherapy Association. The award is made to a leader in the physiotherapy profession who has influenced the growth of the profession in clinical practice, education, research or administration, and includes the distinction of delivering the Enid Graham Memorial Lecture. Catherine is a senior lecturer in the Faculty of Continuing Education, Health Sciences at the U of Calgary and a clinical associate professor in the Faculty of Rehabilitation Medicine at the

U of A. She is also co-owner of Sunridge Physiotherapy Clinic in Calgary.

'78

Rosemarie Dieser (Wrightson), BSc(Pharm), is living in Calgary after spending more than five years working in Bermuda. "Going back to school to get a degree in herbology, which will be a great asset at work — offering people a choice," Rose reports.

Leigh Gower, BSc, has started his own law practice in Whitehorse, Yukon under the firm name of Gower and Leask. Leigh is married with two children.

Julia Wong, BSc, started her own software consulting firm, Database Consultants Ltd., in Hong Kong in 1994.

working on a PhD from Oxford U.

'81

Larry Jenkinson, BCom, is vice-president finance and administration of the Henry Singer Fashion Group Ltd. in Edmonton. Larry is the current president of the U of A Business Alumni Association and is active in the Business Faculty's Canadian Institute of Retail And Services Studies (CIRASS) program.

'82

Marco Adria, BMus, is the author of the book *Peter Gzowski: An Electric Life*, which was published at the end of 1994. He is an assistant professor of communication studies at Athabasca U.

Percival Bowen, BPE, is now acting deputy principal at Garrigan Secondary School in Barbados as well as head of the department of physical education there. Percival recently completed a certificate in educational administration and management from the U of the West Indies.

Sheena Cox, BCom, received an MBA from the U of Western Ontario in 1992 and now lives and works in Basel, Switzerland where she is manager, pharma policy for Ciba-Geigy. "Enjoying the European lifestyle," Sheena writes.

Atul Gupta, MSc, of Portland, Oregon is a senior software engineer at Intel.

Amanda Le Rougetel, BA, is "happily settled" in Winnipeg, where she is a corporate writer

for Comcheq. Her volunteer involvements include working as a contributing editor to *Herizons* magazine and acting as president of the Canadian Abortion Rights Action League (CARAL), a national pro-choice group.

'83

John Brennan, BA, '94 MA, completed his master's degree in political science last year while continuing to work as the executive assistant to Edmonton mayor Jan Reimer, a position he has held since 1990.

"Between work and my studies, the period between September 1993 and April 1994 was very hectic," reports John.

Donald Haid, BSc(Forest), '86 MSc, is now a resource economist with the Simons Consulting Group in Vancouver. Donald reports that he got married in 1993 and is "trying to finish my PhD dissertation at U.C. Berkeley in my spare time."

Bridget McAndrews (Hesse), BED, is an elementary teacher at Vanier Community Catholic School in Edson, Alberta, where her husband also teaches. They have two sons.

Patricia Walsh-Phillips, BCom, an accountant with Doane Raymond in Edmonton, was recently named a national partner. Patricia is an instructor with the U of A Faculty of Extension whose community involvements include membership in the Catholic Women's League and the Professional Women's Business Association of Sherwood Park.

'84

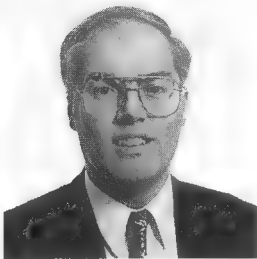
Scott Burns, BSc, completed an MBA from Arizona State U in 1986. He is now the president of the 82-year-old family-owned company BURNCO Rock Products Ltd., based in Calgary. "The fourth generation of Burns' to serve in this vibrant organization," Scott writes.

Robert Iles, PhD, became principal of The Scots College in Sydney, Australia in January 1994. The college is a Presbyterian boys' school with 1,320 students. Robert previously worked with the Victoria Department of School Education and as director of curriculum at Presbyterian Ladies' College in



University of Alberta
Alumni Association

Salute to Volunteers



A few days after arriving at the University of Alberta in 1973, someone told **Chris Ashdown, '82 MHSA, '78 BSc**, that the U of A Mixed Chorus was looking for male singers. He passed the audition and began a 22 year association with the Chorus. After thirteen seasons with the Chorus, Chris now sings with Greenwood Singers, under Dr. Robert de Frece, current Musical Director of the Mixed Chorus.

In 1992, Chris gathered a group of alumni of the Mixed Chorus to form the Mixed Chorus Alumni Association, of which he became the charter president. Now, as Past President, he is working on a CD of chorus favourites in celebration of the Chorus' 50th Anniversary in 1994.

For more information on this special CD, please see the ad on page 20.

Volunteers are the heart of your Association

'79

Ralf Luthe, BSc(Eng), is working for National Methanol Company in Al-Jubail, Saudia Arabia. Ralf expects to be with the company's maintenance engineering group for the next three years. "Lots of scuba diving!"

Robert Nelson, BA, of Logansport, Indiana travelled to Egypt in 1994 for the UN International Conference on Population and Development as a delegate from the United Methodist General Board of Global Ministries. During October and November 1994 he delivered a series of lectures in Madras and Calcutta, India on "Reinterpreting Genesis: Eve, The Mother of Humanity." Robert reports that he is

Graduate Wins Research Prize at UBC



John McNeill, '60 BSc(Pharm), '62 MSc, dean of the Faculty of Pharmaceutical Sciences and a professor of pharmacology and toxicology at the University of British Columbia, has received a Killam Research Prize of \$10,000 from that university. McNeill heads a research group which is studying the effect of diabetes on the heart and seeking methods of treating diabetes which would help prevent cardiac damage. His group is currently involved in the investigation of several synthetic vanadium compounds which could potentially be used by diabetic patients as substitutes for insulin.

tion of several synthetic vanadium compounds which could potentially be used by diabetic patients as substitutes for insulin.

Melbourne, Australia.

David Spaner, MD, '76 BSc, and **Donna-Mary Spaner (Grogan)**, MD, '78 BSc, live in Toronto, where Donna has practised in a community health centre for the last eight years. David received a PhD from the U of Toronto this past autumn and is currently on staff at Princess Margaret Hospital in Toronto. "Three young daughters, aged 4 to 8, keep [us] both very busy!"

'85

Trevor Beck, BA, completed a public relations course at Grant MacEwan Community College in Edmonton after graduation from the U of A and now works for GMCC in the field of community relations.

Helen Kesner, BSc, reports that she has left her position as director of advanced technology for Air Canada and moved back to Edmonton from Montreal.

Ronald Kraft, BPE, '87 BEd, is the head coach of the U of Lethbridge Pronghorn hockey team. Previously, Ron coached the hockey team at Red Deer College and instructed in its physical education department. **Tamara Tuchak**, BA, '91 BSc(HEc), wrote in January to report that she was beginning a new job as manager of Ivalu Ltd. in Rankin Inlet, N.W.T. "I am also putting the finishing touches on my master's thesis and will probably defend in April '95."

Elizabeth Turnbull, BSc(Nu), '94 MNu, is now executive director of the Alberta Association of Registered Nurses. The Faculty of Nursing representative on Alumni Council, she has held the positions of interim assistant registrar and public relations officer since joining the association in 1989. She had most recently been acting executive director.

'86

Jonathan Bayley, MMus, '88 BEd, had a busy year in 1994, publishing a number of articles in professional journals for musicians, adjudicating at the New Brunswick Provincial Music Festival in Caraquet, and revising the flute portion of the Alberta Provincial Music Festival Syllabus in collaboration

with a colleague from Alberta College.

Sandra Kirby, PhD, an associate professor of sociology at the U of Winnipeg, was recently honored with the Clarence Atchison Award for Community Service from the university. Among her achievements, Sandra counts membership on Canada's rowing team at the 1976 Olympics and involvements in various community and professional organizations, such as the Volunteer Home Support program, the Canadian Research Institute for the Advancement of Women, the Canadian Advisory Council for Drug Free Sport, the Canadian Association for the Advancement of Women In Sport, and the Canadian Sport Council. Last year she received a Canada 125 Medal from the Governor-General of Canada in recognition of her contributions to the country.

Debra Lynkowski, LLB, '83 BA, of Edmonton is now the executive director for the Canadian Diabetes Association, Alberta and N.W.T. Division.

Peter Portlock, MHSA, '67 BA, and **Linda Long**, '85 LLB, live in Edmonton where Linda practises matrimonial and family law and mediation. Peter is executive director of the Alberta Arbitration and Mediation Society and a public representative to the board of the Canadian Nurses Association. They have three sons.

Marija Skerlj, MSc, has returned to the Republic of Slovenia, where she completed a PhD in food science from the Institute Jozef Stefan in 1990 and is now a counsellor to the government of the republic in the Office for Science Development in Ljubljana. Marija would like to hear from colleagues working either in ministries, on research councils or in other organisations dealing with research policies. She can be contacted through: Republic of Slovenia, Ministry of Science and Technology, Slovenska 50, 61000 Ljubljana, Slovenia.

'87

Timothy Fisher, BSc, recently became an assistant professor of geography at Indiana U in Gary. Timothy reports that he and his wife welcomed a son in

August 1994. His e-mail address is tfisher@iunhaw1.iun.indiana.edu. **Leah Gramlich**, MD, '85 BMS, recently opened a gastroenterology practice, with a special interest in nutrition, in Edmonton. She practises out of Edmonton's Royal Alexandra Hospital. **Mary-Anne Janewski (Harcus)**, BEd, and **Timothy Janewski**, BEd, '93 MLIS, report that they have "moved yet again," to Lacombe, Alberta. Tim works for Parkland Regional Library as a library consultant. Mary-Anne plans to leave her job with Alberta Justice this spring.

'88

James Benoit, BCom, has worked in international banking with the Hongkong Bank in southeast Asia for the past two years. This past November James began working for the British Bank of the Middle East in the Sultanate of Oman.

John Buchanan, MA, of Brisbane, Australia is state coach of the Queensland Sheffield Shield Cricket team. John is

curious to know what some of his colleagues from the '88 master's class are doing, "especially Lucy Thibault, Bernie Williams and other postgrads in sport and recreation including Al (...?) from Armed Forces."

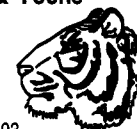
Deepanjali Chandrasekhar (Rajaram), MBA, '86 BA, is a senior officer, credit and risk management in the Bahrain International Bank. "Living and

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working in Bahrain is terrific—the country is a perfect blend of the cultures of the East and West.”

Fenton Fong, BSc, reports that he has been living and working in Vancouver for the last four years. Currently he is working towards an MSc in biotechnology at UBC in the laboratory of recent Nobel laureate Dr Michael Smith. Fenton writes, “Travelled through S.E. Asia, India and England for five months in 1993 and loved it!” **David Glor**, BSc, is a pilot for FedEx, currently flying a Boeing 727 out of Calgary. David, who lives in Sherwood Park, Alberta, reports that he and his wife, Kathleen, a psychology student at the U of A, have two daughters.

Wanda Kamocki, MSc, is an atmospheric scientist working in the air quality section of a consulting firm. She lives in Newmarket, Ontario.

Peter Rodd, MD, '86 BMS, (whose name was formerly Rodnunsky) wrote earlier this year to report that his family was planning a three-year move to Biskek, Kyrgyzstan, where Peter will be a medical advisor for the gold-mining company Kumtor Operating Company. Peter is married with “an active, happy one-year-old.”

Barbara Sheppard, BSc(HEC), is a food service officer with the Canadian Forces. “Happy about recent posting from Labrador to Victoria,” Barbara reports.

Myron Syrotiuk, BSc, '91 BA, is a student in the Master of Library Science program at UBC.

'89

Tracy Stein, BCom, has earned her CA designation and is now a manager with KPMG in Edmonton. Tracey wrote in January to report that she was engaged to be married to **Phil Simons**, '90 BA. The wedding is scheduled for June 1995.

'90

Michael Burnyeat, BCom, of Calgary reports that he is “on loan” to the Coopers and Lybrand office in Edinburgh, Scotland. He expects to be there for two years.

Sheryl Culbert (McClements),

BCom, recently started an oilfield services business in Sedgewick, Alberta with her husband. Previously, Sheryl was a loans officer with the Royal Bank of Canada and a sales representative for the Co-operators. Sheryl and her husband were expecting their first child in February 1995.

Ed Dening, BSc(Ag), along with his wife and two daughters, are among the Mennonite Central Committee's workers in Haiti. Ed and his family left Haiti temporarily last year, due to political unrest, to return to Edmonton.

Pamela Erkau (Bush), BSc(HEC), is married and living in Vancouver while she studies fashion design at Vancouver Community College. Pamela obtained a BED from UBC in 1992 and works full time for the Workers' Compensation Board of B.C.

Maria Hanik (Muchortow), BSc(Nu), is a nurse practitioner associated with the Bone Marrow Transplant Clinic at Emory U in Georgia. Maria completed her master's degree in nursing at Emory last year.

Larry Tran, BSc(Eng), now works in the safety/environmental engineering division of Humber College of Applied Arts in Toronto. Larry reports that he and his wife hope to visit the U of A this summer.

Alfred Wong, DDS, '86 BSc, a Vancouver dentist, has been elected to a two-year term as a director of the Vancouver and District Dental Society. Alfred recently obtained an MBA degree in international management from Asia Pacific International U.

'91

Robert Bosenius, LLB, '88 BA, and **Shelby Cook**, '92 BA, '94 BEd, were married in 1994 in Edmonton and now live in Whitehorse, Yukon, where Shelby is a teacher. Robert has been practising law at Preston, Willis & Lackowicz for two and a half years.

Bradley Cochrane, BSc(Nu), '85 BPE, is a nurse at the Penticton Regional Hospital in Penticton, B.C., where he has lived since 1992. Bradley, who is married with two children, completed the Ironman Canada Triathlon six times and

plans to do it again in August '95.

Carol Lajoie (MacDonald), BSc(HEC), and **David Lajoie**, BSc(Pharm), live in Thunder Bay, in “beautiful N.W. Ontario.” Carol, who manages the dietary department of a Thunder Bay hospital, reports that she “married her favorite Bar-None bouncer,” who now works with a local drug store chain and plays plenty of golf.

Barbara Lambert, BA, writes from Vancouver that she is a student at the West Coast College of Massage Therapy.

“If all goes well I will be a practising RMT by September.” **Frank Rakow**, BSc, is now self-employed in Salmon Arm, B.C., where he runs a liquid lawn fertilizer, weed control and fruit-spraying business. Before moving to B.C., Frank worked for Imperial Oil's marketing department in Saskatchewan for three years.

'92

Peter Augustin, BCom, and **Tracy Renz Augustin**, '93 BA, of Edmonton report that Peter works for an accounting firm in Sherwood Park and Tracy works for Human Resources and Development Canada.

Sanjay Mohanty, MA, who lives in Gurgaon, Hararyana in India, is an energy and environment economist with a private research institute. Sanjay also edits an international journal on energy and

the environment.

Karen Rogan, BSc(Nu), is a part-time staff psychiatry nurse at the U of A Hospitals and a program coordinator for the Canadian Mental Health Association.

'93

Xiobing Chen, MSc, is a research assistant in the Department of Civil Engineering at the U of A.

Karen Gall (Luukkonen), BEd, is the coordinator and instructor of an academic upgrading program for single mothers at Red Deer College. Karen reports that she and her husband have a blended family — three boys.

Tracey Leskosky, BSc(Nu), is a nurse in Kingsville, Texas, where she has lived since 1993. “Trying to find a nursing position closer to Canada.”

'94

Vernon Cassel, BSc(Nu), '86 Cert(Arts), '81 BA, is a nurse in the emergency room at the Columbus County Hospital in Whiteville, North Carolina.

Joanne Holloway, BEd, is a teacher with the Edmonton Public School Board, teaching math, academic challenge and reading support.

Teresa Tjostheim (Taylor), BEd, teaches band at a junior high school in Calgary.

Mara Tse, BSc, is a master's student in food science at McGill U in Montreal.

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'35

'45

'55

'70

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Coleen Graham, Manager
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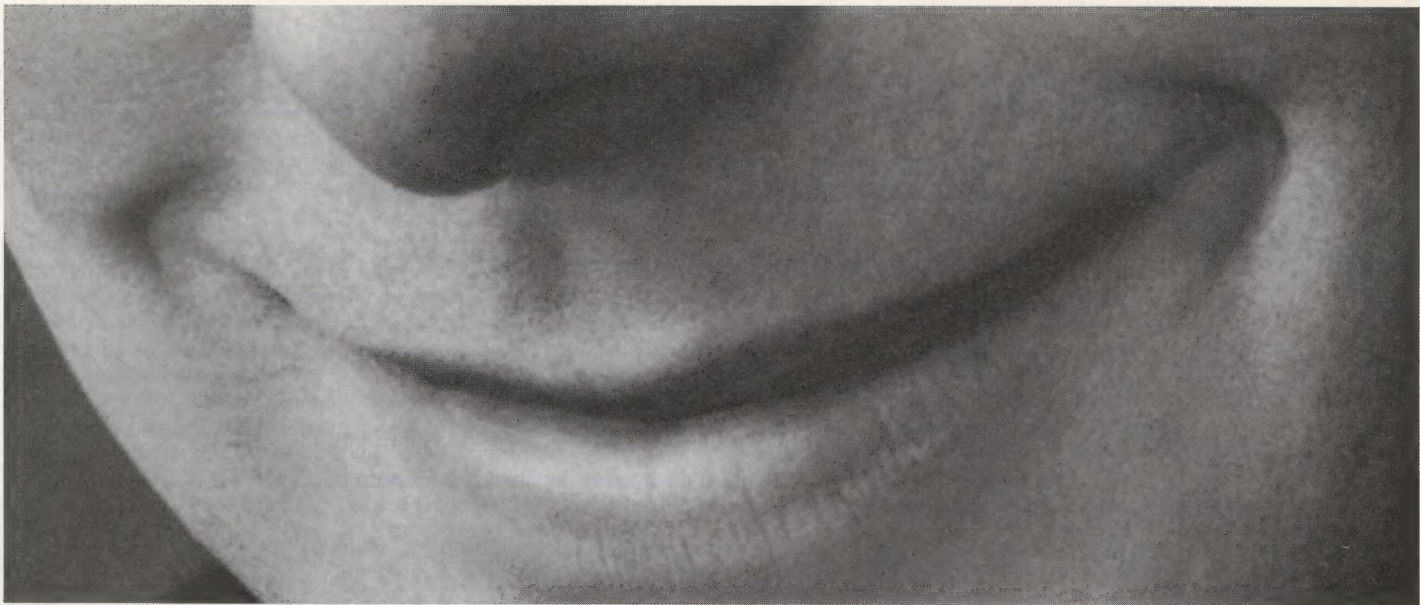


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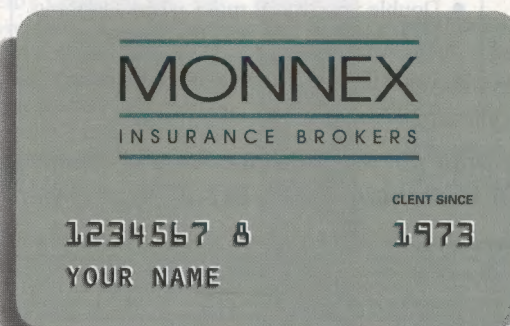


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